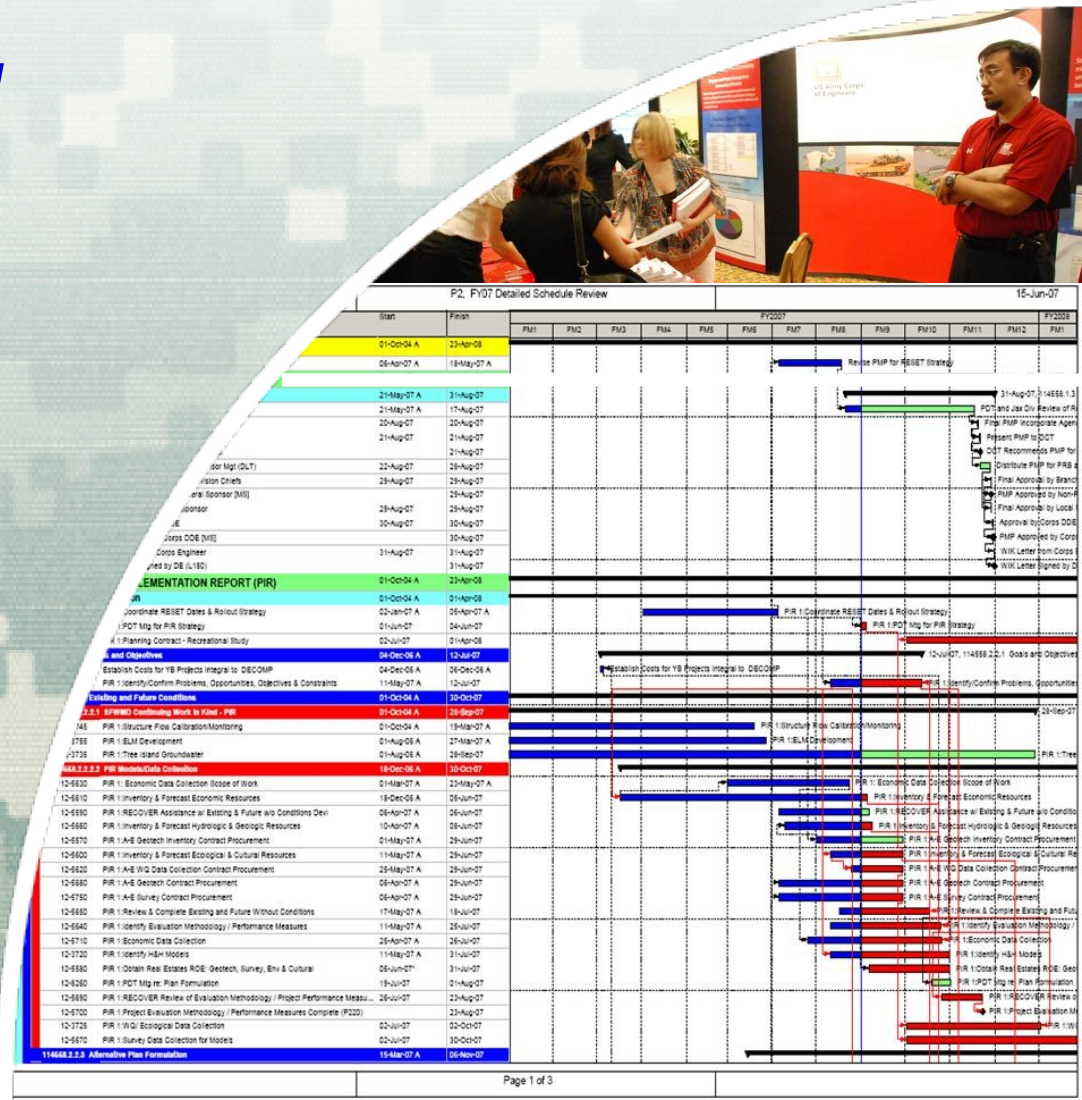


Northwestern Division Value Engineering as it relates to Data Reporting

24 February 2015
Version 3

Joe Laird
Military Integration Division
Omaha



Agenda

- Scope of the Presentation
- Command Management Review (CMR) Overview
 - ▶ Key Performance Indicators (KPIs)
 - ▶ Metrics Key Components
 - ▶ Metrics Key Messages
 - ▶ Metrics Calculations
 - ▶ Sample NWD RPRB Slides
- Value Engineering Reporting
 - ▶ New VE EDW Dashboards & Reports
 - ▶ Sample Dashboard
 - ▶ Sample Report
 - ▶ Value Engineering Data Points
- QA/QC the Data
- Best Business Practices
- Live Demonstration



Scope of the Presentation

- **The Presentation will:**
 - ▶ Provide metrics basics.
 - ▶ Provide Dashboard/EDW basics.
 - ▶ Focus on data requirements in P2 that will support VE for the Program Coverage/Compliance Dashboard
 - ▶ Be applicable to VEOs, PMs, P2 Schedulers, etc.
 - ▶ Provide introduction to the various venues of reporting (CMR, DMR, etc.).
 - ▶ Discuss QA/QC of the dataset.

- **The Presentation will not:**
 - ▶ Focus on data requirements for VERS for the Cost Avoidance/Savings Dashboard
 - ▶ Will not focus on data sources outside of P2 such as PD2 ⁽¹⁾
 - ▶ Discuss VE policy, process, etc.

(1) Contracting Database ■ PD2, Procurement Desktop-Defense; also known as SPS (Standard Procurement System).



Command Management Review (CMR) Overview

- A quarterly review by USACE Commanders of the USACE strategic Campaign Goals/ Objectives and select Command Management Review (CMR)
- The Directorate Management Review (DMR) focuses on the metrics as they relate to execution.
- DMR recommendations are forwarded to the CMR by individual functional directorates.
- The metrics are located at:
 - ▶ https://intranet.usace.army.mil/hq/rm/CCG/FY15/FY15_CCG_Ch3.pdf
- Value Engineering is identified in the Consolidated Command Guidance (CCG) Chapter 3 and 4, under both Military (MILCON, Minor MILCON, Environmental, IIS-Military funded, and SRM) and Civil Works (CW & IIS-Civil funded).
- CCG is published yearly.



October 2014 Edition

CONSOLIDATED COMMAND GUIDANCE
Ch 1: USACE Campaign Plan
Ch 2: Resources
Ch 3: Measure of Success
Ch 4: Key Performance Indicators (KPIs)



VE Data 101 17-Feb-15



Key Performance Indicators (KPIs)

- Definition:

- ▶ Represent a set of measures focusing on the aspects of organizational performance that are most critical for the current and future success of the organization.
- ▶ They are metrics that are either mandated by higher authority or enable organizational effectiveness.
- ▶ They are the metrics that best describe the organization's health.

- Characteristics:

- ▶ A metric that the Chief (CEO) of the USACE needs to see at every CMR.
- ▶ A higher level measure typically fed by data from lower level metrics.

- Criteria to Identify KPI (just needs to meet one of these):

- ▶ It's vital to achieving mission success; meaning failure to accomplish the goal results in unacceptable risk to mission success.
- ▶ It's vital to customer requirements; meaning failure to achieve the goal results in unacceptable risk to customer satisfaction.
- ▶ It's vital to satisfying statutory and regulatory requirement.

Metrics Key Components

<u>CMR Metrics</u> Key Performance Indicator (KPI)	<u>DMR Metrics</u> Measure of Success (MofS)
KPIs: SFI 4a, 4b, and 4c (Military and Civil combined)	MofS: Military: MP16, MP17, and MP17a Civil: CW8, CW8a, and CW8b
Metric Components	
Criteria to Identify KPI	Proponent
Purpose	Visibility Level
Impacts to Failure	Program & Type Funding Codes
Definition	Data Source
Data Source	Rated
Relationship of Data to What is Measured	Program Years Measured
Metric Calculation	<u>P2 Data / Milestones</u>
Rating Criteria	Goal
	Purpose
	Definition
	Relationship of Data to What is Measured
	Metrics Calculation
	Rating Criteria

The CMR and DMR metrics are basically the same measurement . Items in "yellow" further define the metrics goals.



Command Management Review (CMR) Overview

MILITARY PROGRAMS

MP16: VALUE ENGINEERING, COST SAVINGS AND AVOIDANCE

PROPOSANTS: CECW-CE
VISIBILITY LEVEL: HQ/USACE, MSC's and external customers

DATA SOURCE(s): VERS
RATED: Quarterly
PROGRAM YEARS (PY) MEASURED: FY15

PROGRAM TYPE/FUNDS CODES (ITEC):
All USACE Projects/Procurements

GOAL: To document auditable savings and avoidance equal to 1.5% of USACE Total Obligation Authority (TOA) per OSD (ATL). Goal will adjust quarterly. Per DoD 7000.14-2, TOA is the sum of: all budget authority (BA) granted (or requested) from the Congress in a given year; amounts authorized to be credited to a specific fund; BA transferred from another appropriation; and unobligated balances of BA from previous years which remain available for obligation.

PURPOSE: To comply with Pub. L. 111-350 (41 USC 1711); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Key component of USACE VE Annual Performance Report to OMB & OSD (ATL).

DEFINITIONS: Value Engineering (VE) benefits (Cost Avoidance (CA) or Cost Savings (CS)) may be claimed on any Federally authorized project or process upon execution. "Cost Avoidance" refers to the case where proposals are implemented before a contract occurs, thus avoiding future cost. "Cost Savings" refers to the case where a contract is in place and implementing a VE proposal results in non-expenditure of money, which would have otherwise been spent. Cost savings will typically be the result of implemented VEC's submitted by the contractor. Per DoDIG definition, in order to be claimed as meeting VE requirement, effort must be team effort (i.e., IPT/PDT), document evidence of functional analysis/evaluation of worth/cost comparisons (per ASTM 1699-13, Function Analysis); and not the result of actions expected in the normal accomplishment of duties otherwise performed by the Component/Service; or shows VE savings based on approved contractor-submitted VEC's.

RELATIONSHIP OF DATA TO WHAT IS MEASURED: Data and Goal are dollars. Cost Avoidance documents results of continuous VE efforts undertaken to seek the highest value for a program or project by balancing available resources and required quality. Cost Savings documents the Corps partnering with the construction contractor after award to insure the customer receives the best value for resources expended.

METRIC CALCULATION:

Numerator: Dollars saved or avoided
Denominator: 1.5% of Military TOA times 100 for a per cent.

RATING CRITERIA: Q1-Q3 Not Rated. Q4 Rating Criteria: Green: 95%; Amber 85% to 95%; Red: 85%. CA/CS is measured and reported to OMB / OSD(ATL) but focus on and adherence to Program Coverage requirements will insure CA/CS meets USACE assigned Goals.

Chapter 3 Table 1 Pg - 14 (May 14)

FY15 CG Metrics

MILITARY PROGRAMS

MP17: VALUE ENGINEERING PROGRAM COVERAGE

PROPOSANTS: CECW-CE
VISIBILITY LEVEL: HQ/USACE, MSC's and external customers

DATA SOURCE(s): P2
RATED: Quarterly
PROGRAM YEARS (PY) MEASURED: FY15

PROGRAM TYPE/FUNDS CODES (ITEC):
All USACE Projects/Procurements

GOAL: To perform required VE Workshops on programs/projects/procurements and portions thereof with total contract costs greater than \$2 million per ER 11-1-321 (Change 1) and HQ CVO memorandum. Goal may adjust quarterly in accordance with VE milestones scheduled in P2.

PURPOSE: To ensure appropriate VE Workshops are performed in accordance with Public Law(s), OMB Circular A-131 (A-11, A-123), DoD Instructions, and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Demonstrate compliance with USACE PMBP requirement to utilize VE (functional analysis approach for decision making) as a management tool applied continuously throughout life cycle of projects/programs (REF 8023G). ECB 2013-21 automates Screening efforts by VEOs and documents execution strategy in the project VMP (in PMP) identifying schedule/budgeting/resources needed to accomplish at Project Initiation/Development Phase. Information makes up the USACE VE Annual Plan to OMB & OSD (ATL).

DEFINITIONS: See ER 11-1-321 (Change 1).

RELATIONSHIP OF DATA TO WHAT IS MEASURED: Data consists of team VE workshops completed, Low Opportunity for VE and Waivers; Goal is Programs/Projects/Procurements on which VE is required to be executed.

METRIC CALCULATION:

Numerator: VE Activities completed (ML290 VE Study Finish Actual - Low Opportunity - Waivers) times 100
Denominator: Total VE Activities (ML290 VE Study Finish Scheduled - Low Opportunity - Waivers).

RATING CRITERIA: QUARTERLY: Green ≥ 95%, Amber 85% to 95%, and Red < 85%
QUARTERLY: Progress towards Quarterly Goal

Chapter 3 Table 1 Pg - 15 (May 14)

FY15 CG Metrics

MILITARY PROGRAMS

MP17a: VALUE ENGINEERING, STATUTORY/REGULATORY COMPLIANCE

PROPOSANTS: CECW-CE
VISIBILITY LEVEL: HQ/USACE, MSC's and external customers

DATA SOURCE(s): P2
RATED: Quarterly
PROGRAM YEARS (PY) MEASURED: FY15
P2 MILESTONES: 04-285, ML290, and ref800

PROGRAM TYPE/FUNDS CODES (ITEC):
All USACE Projects/Procurements

GOAL: To perform required VE Workshops on programs/projects/procurements and portions thereof with total contract costs greater than or equal to \$2 million as required by Pub. L. 111-350 (41 USC 1711); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14, and ER 11-1-321 (Change 1), MICP.

PURPOSE: To validate compliance with statutory/regulatory requirements. Compliance data is a component of USACE VE Annual Performance Report to OMB & OSD (ATL), and other compliance checks/reports per OMB Cir. A-123 (MICP Policy). BCOES is compliance check to document PM/VEO certification. KO's shall NOT advertise/award projects without VE statutory/regulatory compliance certification.

DEFINITIONS: See ER 11-1-321 (Change 1).

RELATIONSHIP OF DATA TO WHAT IS MEASURED: Data shows required formal VE workshops completed. Low Opportunity for VE or Waivers. Goal is projects/contracts ≥ \$2M awarded in FY15.

METRIC CALCULATION:

Numerator: VE Activities Completed (ML290 VE Study Finish Actual - Low Opportunity - Waiver) times 100
Denominator: Construction Contract Awards (CC800 A)

RATING CRITERIA: QUARTERLY: Green: 95%; Amber 85% to 95%; Red: 85%
QUARTERLY: Progress towards Quarterly Goal

Chapter 3 Table 1 Pg - 16 (May 14)

FY15 CG Metrics

MILITARY PROGRAMS

- MP16: Value Engineering, Cost Savings And Avoidance
- MP17: Value Engineering Program Coverage
- MP17a: Value Engineering, Statutory/Regulatory Compliance

Provided in
Backup



VE Data 101 17-Feb-15



BUILDING
STRONG

Command Management Review (CMR) Overview

CIVIL WORKS

CW08 - Value Engineering, Cost Savings and Avoidance

PROPOSANTS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external

FREQUENCY: Quarterly

PROGRAMS/TYPE FUNDS (TF): All USACE Projects/Procurements

PROGRAM YEARS (PYs) MEASURED: FY15

GOAL: To document auditable savings and avoidance equal to 1.5% of Civil Works Total Obligation Authority (TOA). Goal will adjust quarterly. Per DoD 7000.14-R, TOA is the sum of: 1.) all budget authority (BA) granted (or requested) from the Congress in a given year; 2.) amounts authorized to be credited to a specific fund; 3.) BA transferred from another appropriation; and 4.) unobligated balances of BA from previous years which remain available for obligation.

PURPOSE: To comply with Public Law 111-350 (41 USC § 1711) & Public Law 99-662 (33 USC § 2288), OMB Circular A-131 (A-11 & A-123), DoD Instructions 4245.14, and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Key component of USACE VE Annual Performance Report to OMB & OSD (ATL).

DEFINITIONS: Value Engineering (VE) benefits (Cost Avoidance (CA) or Cost Savings (CS)) may be claimed on any Federally authorized project or process upon execution. "Cost Avoidance" refers to the case where proposals are implemented before a contract occurs, thus avoiding future cost. "Cost Savings" refers to the case where a contract is in place and implementing a VE proposal results in non-expenditure of money, which would have otherwise been spent. Cost savings will typically be the result of implemented VECs submitted by the contractor. Per DoDIG definition, in order to be claimed as meeting VE requirement, effort must be team effort (i.e., IPT/PDT); document evidence of functional analysis/evaluation of worth/cost comparisons (per ASTM 1699-13, Function Analysis); and not the result of actions expected in the normal accomplishment of duties otherwise performed by the Component/Service; or shows VE savings based on approved contractor-submitted VECP.

DATA SOURCE(s): P2 and VERS.

RELATIONSHIP OF DATA TO WHAT IS MEASURED: Data and Goal are dollars. Cost Avoidance documents results of continuous VE efforts undertaken to seek the highest value for a program or project by balancing available resources and required quality. Cost Savings documents the Corps partnering with the construction contractor after award to insure the customer receives the best value for resources expended.

METRIC CALCULATION: (Dollars saved or avoided) divided by (1.5% of CW TOA) times 100 for a percent.

RATING CRITERIA: Q1-Q3 Not Rated. Q4 Rating Criteria: Green≥ 95% Amber 85% to 95% Red< 85% CACS is measured and reported to OMB/OSD (ATL) but focus on and adherence to Program Coverage requirements will insure CACS meets USACE assigned Goals.

Chapter 3 Table 2 Pg - 9 (May 14)

CIVIL WORKS

CW08a - Value Engineering Program Coverage

PROPOSANTS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external

FREQUENCY: Quarterly

PROGRAMS/TYPE FUNDS (TF): All USACE Projects/Procurements

PROGRAM YEARS (PYs) MEASURED: FY15

GOAL: To perform VE Workshops on all Civil Works programs/projects/procurements and portions thereof with total costs greater than \$2 million per ER 11-1-321 (Change 1) and HQ CVO memorandum. Goal may adjust quarterly in accordance with VE milestones scheduled in P2.

PURPOSE: To ensure appropriate VE Workshops are performed in accordance with Public Law(s), OMB Circular A-131 (A-11, A-123), DoD Instructions; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Demonstrate compliance with USACE PMBP requirement to utilize VE (functional analysis approach for decision making) as a management tool applied continuously throughout life cycle of projects/programs (REF 9023.G). ECH 2013-21 automates Screening efforts by VEOs and documents execution strategy in the project VMP (in PMP) identifying schedule/budgeting/resources needed to accomplish at Project Initiation/Development Phase. Information makes up the USACE VE Annual Plan to OMB & OSD (ATL).

DEFINITIONS: See ER 11-1-321(Change 1).

DATA SOURCE(s): P2

RELATIONSHIP OF DATA TO WHAT IS MEASURED: Data is documented formal team VE workshops, Low Opportunities, or approved Waivers completed. Goal is Programs/ Projects/ Procurements and Business Processes on which VE should be applied.

METRIC CALCULATION: VE Activities completed (CW195 + CW290 VE Study Finish Actual + Low Opportunity + Waivers) times 100) divided by Total VE Activities (CW195 + CW290 VE Study Finish Scheduled Actual + Low Opportunity + Waivers).

RATING CRITERIA: QUARTERLY: Green≥ 95% Amber 85% to 95% Red< 85%
QUARTERLY: Progress towards Quarterly Goal

Chapter 3 Table 2 Pg - 10 (May 14)

CIVIL WORKS

CW08b - Value Engineering, Statutory/Regulatory Compliance

PROPOSANTS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external

FREQUENCY: Quarterly

PROGRAMS/TYPE FUNDS (TF): All USACE Projects/Procurements

PROGRAM YEARS (PYs) MEASURED: FY15

GOAL: To perform required VE Workshops on programs/projects/procurements and portions thereof with total contract costs greater than or equal to \$2 million as required by Pub. L. 111-350 (41 USC 1711) & Pub. L. 99-662 (33 USC § 2288); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14, and ER 11-1-321 (Change 1). A VE Study is mandatory for CW contracts ≥\$10M in order for contract to be advertised/execute.

PURPOSE: To validate compliance with statutory/regulatory requirements. Compliance data is a component of USACE VE Annual Performance Report to OMB & OSD (ATL); and other compliance checks/reports per OMB Cir. A-123 (MCP/Assurance Statements). BCOES is compliance check to document PM/VEO certification. KO's shall NOT advertise/award projects without VE statutory/regulatory compliance certification.

DEFINITIONS: See ER 11-1-321(Change 1).

DATA SOURCE(s): P2

RELATIONSHIP OF DATA TO WHAT IS MEASURED: Data shows required formal VE workshops, Low Opportunities and Waivers completed. Goal is projects/contracts ≥\$2M awarded in FY15.

METRIC RATING CALCULATION: VE Activities completed (CW195 + CW290 VE Study Finish Actual + Low Opportunity + Waiver) times 100, divided by Construction Contract Awards (C800 A).

RATING CRITERIA: QUARTERLY: Green≥ 95% Amber 85% to 95% Red< 85%
QUARTERLY: Progress towards Quarterly Goal

Chapter 3 Table 2 Pg - 11 (May 14)

CIVIL WORKS

- CW08: Value Engineering, Cost Savings and Avoidance
- CW08a: Value Engineering Program Coverage
- CW08b: Value Engineering, Statutory/Regulatory Compliance

Provided in
Backup



Metrics Key Messages

- Goal: Demonstrate that the VE requirements are met in Civil Works and Military Missions for contract costs greater than \$2 Million.
 - ▶ Program Coverage
 - ▶ Statutory/Regulatory Compliance
- Purpose: To ensure compliance to Public Law(s), OMB Circular A-131 (A-11, A-123), DoD Instructions; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. ... Information makes up the USACE VE Annual Plan to OMB & OSD (ATL)

Reporting provides visibility on the Corps' ability and effectiveness to meet the prescribed goals



Metrics Calculations

- Cost Savings and Avoidance (Rated QTR 4 Only):

% CA/CS Goal =	Dollars Saved or Avoided x 100
	1.5% of TOA
Red: < 85% Amber: >= 85% - < 95% Green: >= 95%	

- Program Coverage:

% Program Coverage Goal =	VE Activities Completed (VE Study Finish Actual + Low opportunity + Waiver) times 100
	Total VE Activities Completed (VE Study Finish Actual + Low opportunity + Waiver)
Red: < 85% Amber: >= 85% - < 95% Green: >= 95%	

- Statutory/Regulatory Compliance:

% Program Compliance Goal =	VE Activities Completed (VE Study Finish Actual + Low opportunity + Waiver) times 100
	Construction Contract Awards [Award Date (cc800) Actual]
Red: < 85% Amber: >= 85% - < 95% Green: >= 95%	

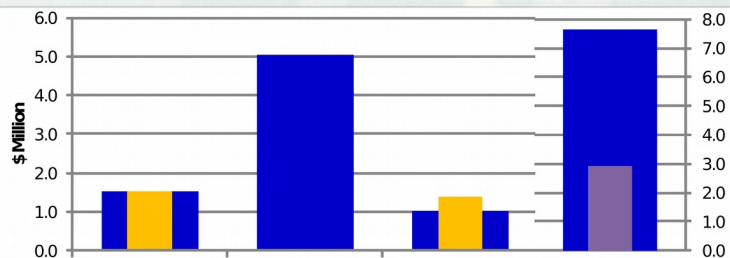
VE Study Finish Actual: ML290, CW290, CW195, or EN140



Value Engineering - Military Missions

MP16 VE Cost Avoidance & Savings

DoD GOAL: 1.5% Total Obligation Authority



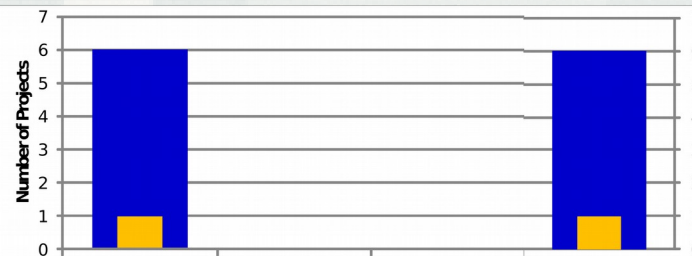
(\$Millions)	NMK	NWO	NMS	NMD
(1) CA/CS Goal (Cumulative)	1.5	5.0	1.0	7.6
(2) CA/CS Actual (Cumulative)	1.5	0.0	1.4	2.9
Rating	100%	0%	134%	38%

95% > 95% < < 85%

Data Source: Military Appropriation Funds Report (EDW) and VERS (Actual)

Data Source: EDW VE Cost Avoidance & Savings Dashboard (24-J an-15)

MP17a VE Program Compliance



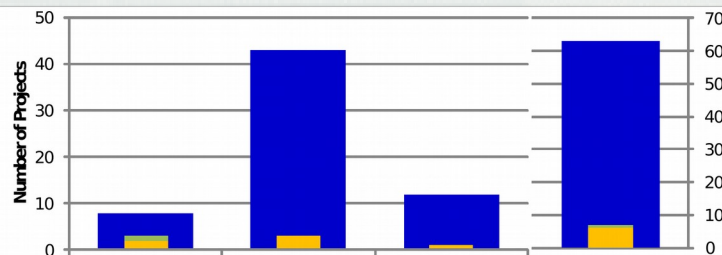
Number of Projects	NMK	NWO	NMS	NMD
(1) Contracts Awarded	6	0	0	6
(2) Completed VE Studies	1	0	0	1
(3) Waivers	0	0	0	0
(4) Low Opportunity	0	0	0	0
Rating	17%			17%

95% > 95% < < 85%

Rating = [(3)+(4)+(5)]/(1)

Data Source: EDW VE Program Compliance Dashboard (24-J an-15)

MP17 VE Program Coverage



Number of Projects	NMK	NWO	NMS	NMD
(1) Annual Goal	10	61	14	85
(2) Quarterly Goal	8	43	12	63
(3) VE Study Actual	2	3	1	6
(4) Waivers	1	0	0	1
(5) Low Opportunity	0	0	0	0
Rating: % of Goal Met	38%	7%	8%	11%

95% > 95% < < 85%

Rating = [(3)+(4)+(5)]/(2)

Data Source: EDW VE Program Coverage Dashboard (24-J an-15)

Discussion

BLUF. VE Is Applicable For All Procurements (PA > \$2.0M)

- Results are based on MILCON, SRM, and Environmental projects. IIS can be located in either CW or Military.
- Query based on VE Milestones (ML285 & ML290).
- District PDT needs to QC dataset given a majority of the projects are under \$2M
- The lack of SRM PIF data makes VE hard to determine where the PA, Project Codes (i.e., Waiver, Low Opportunity, etc.), or Milestone data are blank.
- Includes multiple customer requirements that are added to one P2 project making the PA greater than \$2.0M.
- EDW Data/Dashboards are available

-- <https://edw.usace.army.mil/>

-- Public Folders

-- Value Engineering

Slide Reported at the Last NWD RPRB



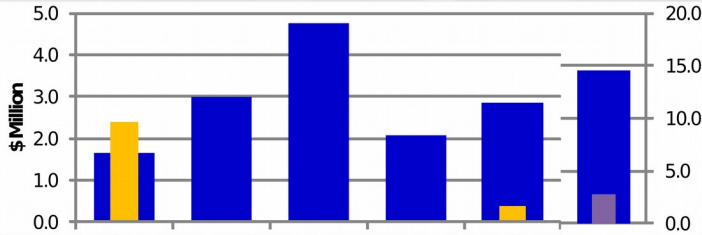
VE Data 101 17-Feb-15



Value Engineering - Civil Works

CW08 VE Cost Avoidance & Savings

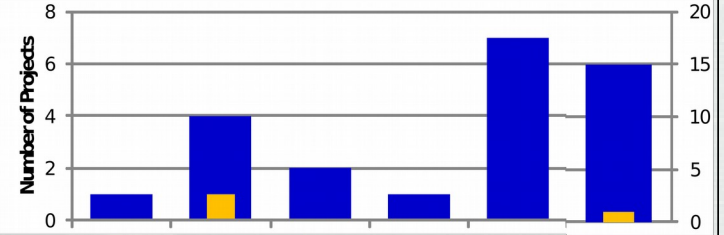
DoD GOAL: 1.5% Total Obligation Authority



(\$Millions)	NMD	NMK	NMO	NMP	NMS	NWW	NWD
(1) CA/CS Goal (Cum)	0.2	1.6	3.0	4.8	2.1	2.9	14.5
(2) CA/CS Act. (Cum)	0.0	2.4	0.0	0.0	0.0	0.4	2.8
Rating	0%	146%	0%	0%	0%	13%	19%

95% > 95% < < 85% Data Source: Military Appropriation Funds Report (EDW) and VERS (Actual)
Data Source: EDW VE Cost Avoidance & Savings Dashboard (24-J an-15)

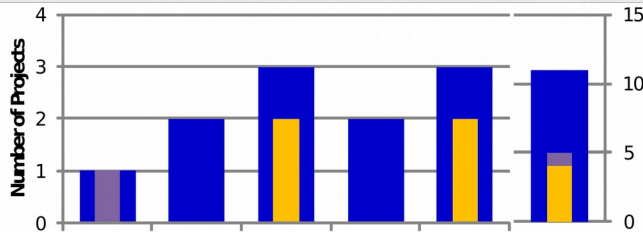
CW08b VE Program Compliance



Number of Projects	NMK	NMO	NMP	NMS	NWW	NWD
(1) Contracts Awarded	1	4	2	1	7	15
(2) Completed VE Studies	0	1	0	0	0	1
(3) Waivers	0	0	0	0	0	0
(4) Low Opportunity	0	0	0	0	0	0
Rating	0%	25%	0%	0%	0%	7%

95% > 95% < < 85% Rating = [(3)+(4)+(5)]/(1)
Data Source: EDW VE Program Compliance Dashboard (24-J an-15)

CW08a VE Program Coverage



Number of Projects	NMK	NMO	NMP	NMS	NWW	NWD
(1) Annual Goal	3	3	7	2	5	20
(2) Quarterly Goal	1	2	3	2	3	11
(3) VE Study Actual	0	0	2	0	2	4
(4) Waivers	0	0	0	0	0	0
(5) Low Opportunity	1	0	0	0	0	1
Rating: % of Goal Met	100%	0%	67%	0%	67%	45%

95% > 95% < < 85% Rating = [(3)+(4)+(5)]/[(2)]
Data Source: EDW VE Program Coverage Dashboard (24-J an-15)

Discussion

BLUF. VE Is Applicable For All Procurements (PA > \$2.0M)

- Results are based on CW projects. IIS can be located in either CW or Military.
- Low numbers could be based on not including the appropriate VE Milestones when the project is initiated.
- District PDT needs to QC dataset
- EDW Data/Dashboards are available at:
 - <https://edw.usace.army.mil/>
 - Public Folders
 - Value Engineering

Slide Reported at the Last NWD RPRB

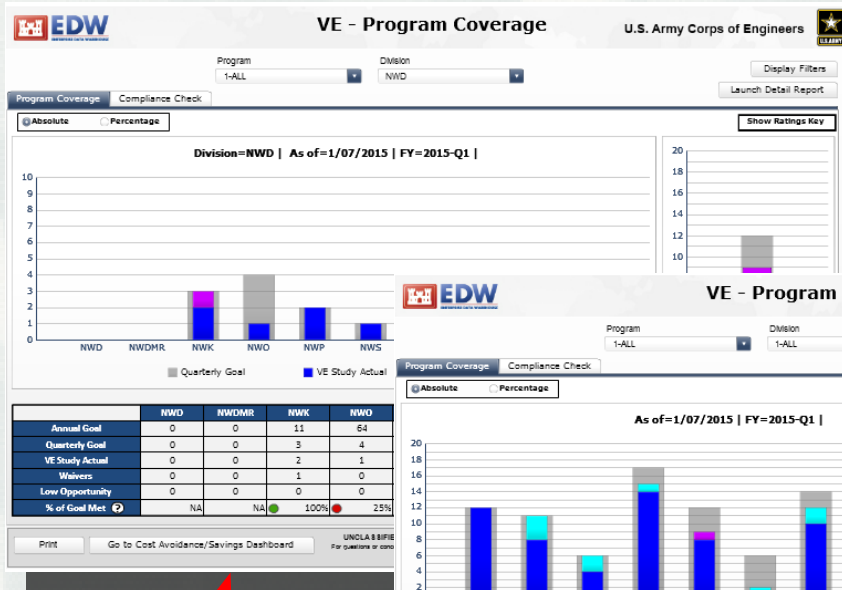


Value Engineering Reporting

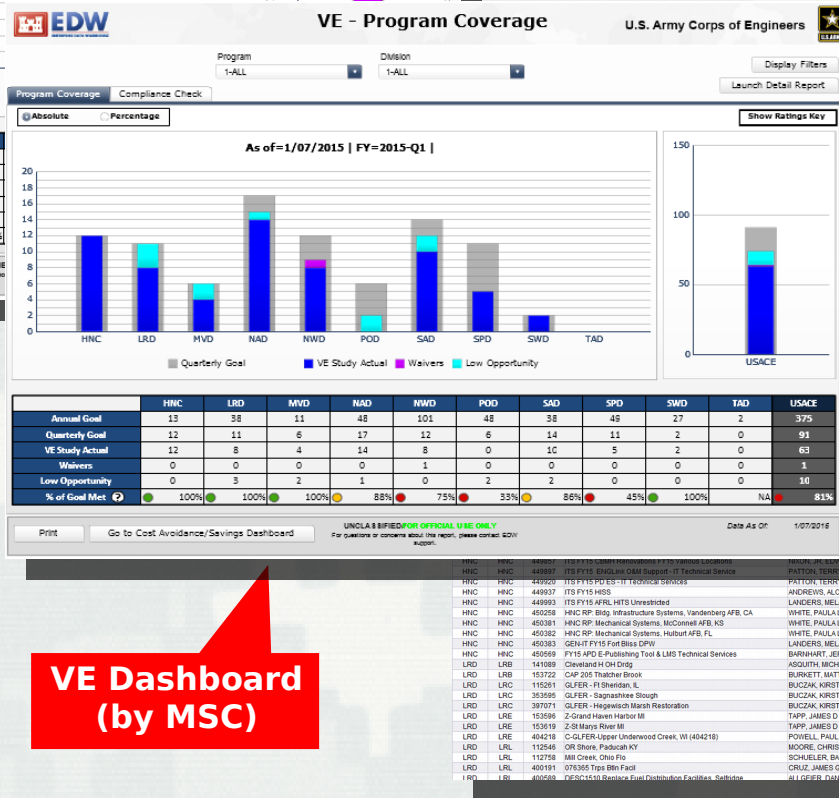
- Value Engineering EDW Dashboard
 - ▶ Automates Quarterly/Annual Metric Reports
 - ▶ Allows MSC/District to perform QA/QC on Metrics and Quarterly/Annual Reports 24/7
 - ▶ Automates creation of quarterly DMR slides.
 - ▶ Automates/Assists with preparation of HQ/MSC VE Annual Plans



Value Engineering Reporting



VE Dashboard (by District)

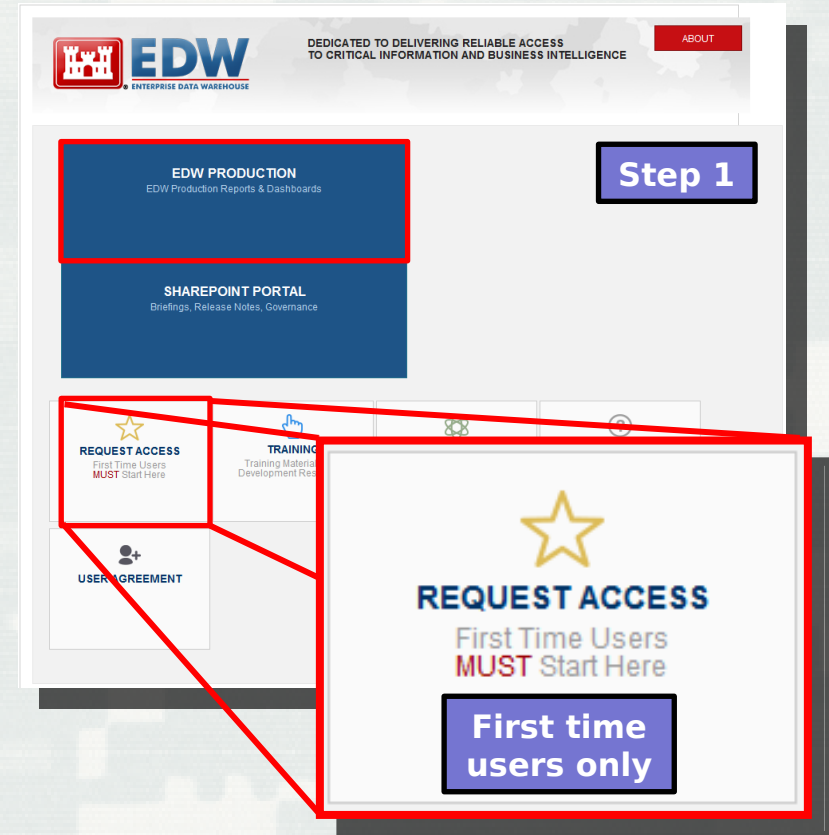
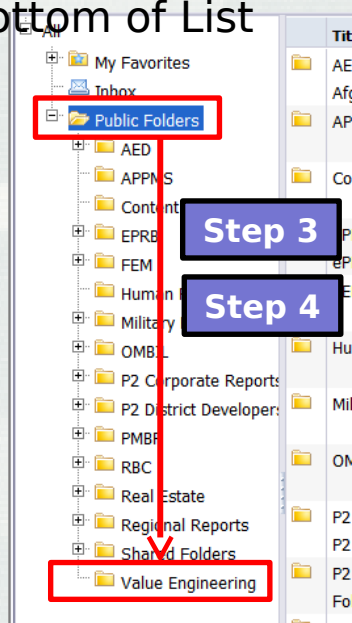
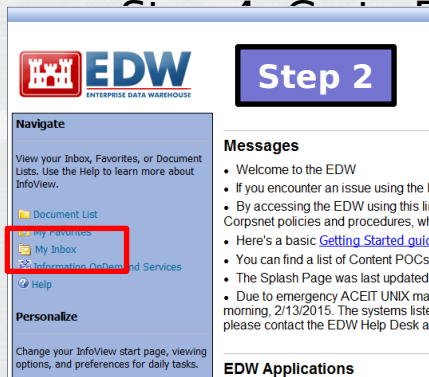


VE Dashboard (by MSC)

VE EDW Reports

New VE EDW Dashboards & Reports

- Go to:
<https://edw.usace.army.mil/>
 - Request Access (takes 1 to 2 days)
 - Step 1: EDW Production
 - Step 2: My Inbox
 - Step 3: Expand Public Folders
 - Step 4: Value Engineering



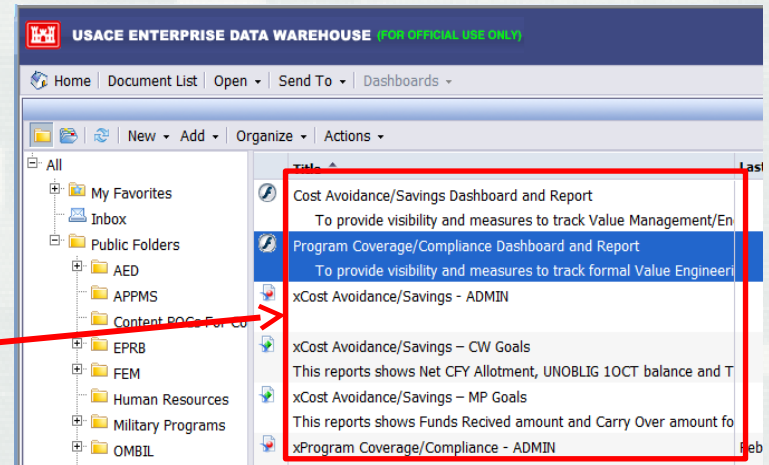
New VE EDW Dashboards & Reports

■ HQ VE Dashboards Available:

- ▶ Cost Avoidance/Saving Dashboard and Report(MP16 or CW08)
- ▶ Program Coverage/Compliance Dashboard and Report (MP17, MP17a, CW08a, or CW08b)

■ HQ VE Reports Available (1):

- ▶ xCost Avoidance/Savings – ADMIN
- ▶ xCost Avoidance Saving – CW Goals
- ▶ xCost Avoidance Savings – MP Goals
- ▶ xProgram Coverage/Compliance – ADMIN



■ Select Dashboard over the Report Option

■ EDW Data is Updated Nightly.

(1) “x” in report title denotes report only. Highly recommend getting to reports through the dashboard versus the reports options shown.

Sample Dashboard



VE - Compliance Check

U.S. Army Corps of Engineers



Program

1-ALL

Division

1-ALL

Display Filters

Launch Detail Report

Program Coverage

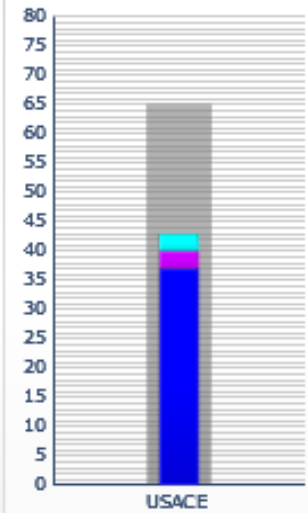
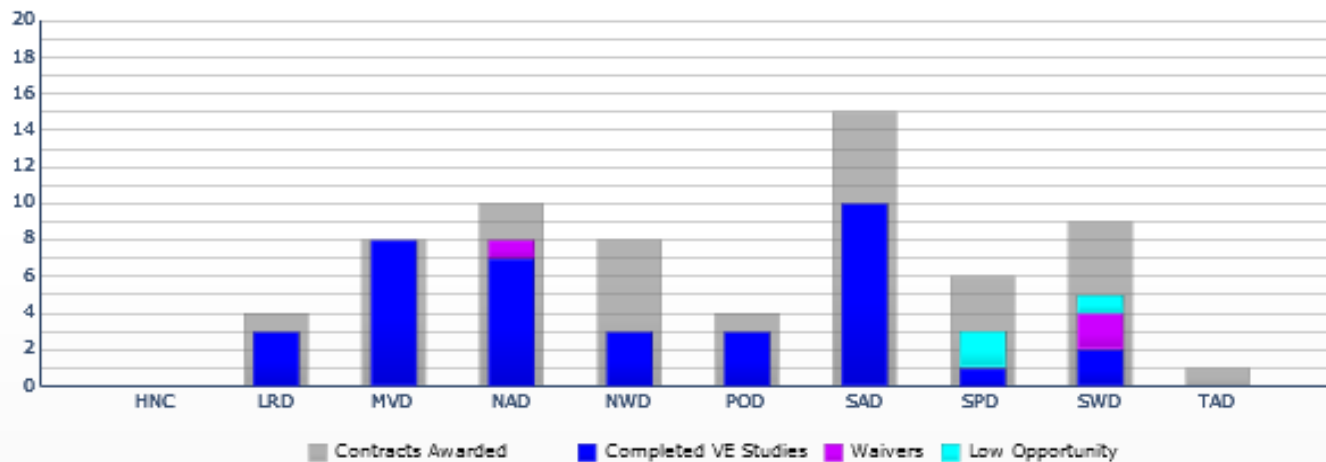
Compliance Check

☒ Absolute

☐ Percentage

Show Ratings Key

As of: 1/07/2015 | FY=2015-Q1 | Contract Amt=>= \$2M



	HNC	LRD	MVD	NAD	NWD	POD	SAD	SPD	SWD	TAD	USACE
Contracts Awarded	0	4	8	10	8	4	15	6	9	1	65
Completed VE Studies	0	3	8	7	3	3	10	1	2	0	37
Waivers	0	0	0	1	0	0	0	0	2	0	3
Low Opportunity	0	0	0	0	0	0	0	2	1	0	3
% of Goal Met	NA	75%	100%	80%	38%	75%	67%	50%	56%	0%	66%

Print

Go to Cost Avoidance/Savings Dashboard

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For questions or concerns about this report, please contact EDW support.

Date As Of: 1/07/2015



VE Data 101 17-Feb-15



Sample Dashboard



VE - Program Coverage

U.S. Army Corps of Engineers



Program

1-ALL

Division

1-ALL

Display Filters

Launch Detail Report

Program Coverage

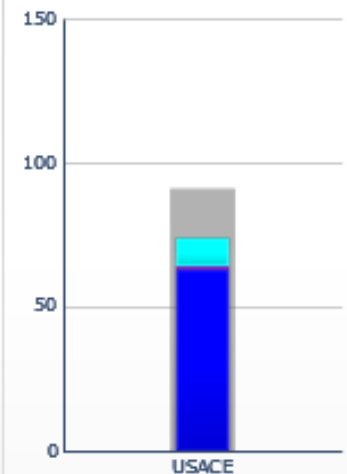
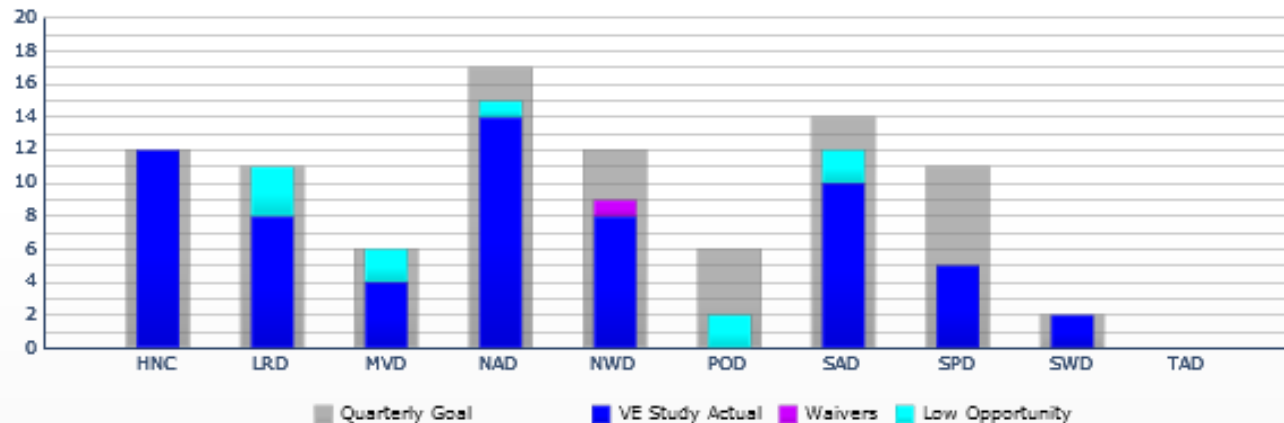
Compliance Check

☒ Absolute

☐ Percentage

Show Ratings Key

As of=1/07/2015 | FY=2015-Q1 |



	HNC	LRD	MVD	NAD	NWD	POD	SAD	SPD	SWD	TAD	USACE
Annual Goal	13	38	11	48	101	48	38	49	27	2	375
Quarterly Goal	12	11	6	17	12	6	14	11	2	0	91
VE Study Actual	12	8	4	14	8	0	10	5	2	0	63
Waivers	0	0	0	0	1	0	0	0	0	0	1
Low Opportunity	0	3	2	1	0	2	2	0	0	0	10
% of Goal Met	100%	100%	100%	88%	75%	33%	86%	45%	100%	NA	81%

Print

Go to Cost Avoidance/Savings Dashboard

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For questions or concerns about this report, please contact GOW support.

Date As Of: 1/07/2016

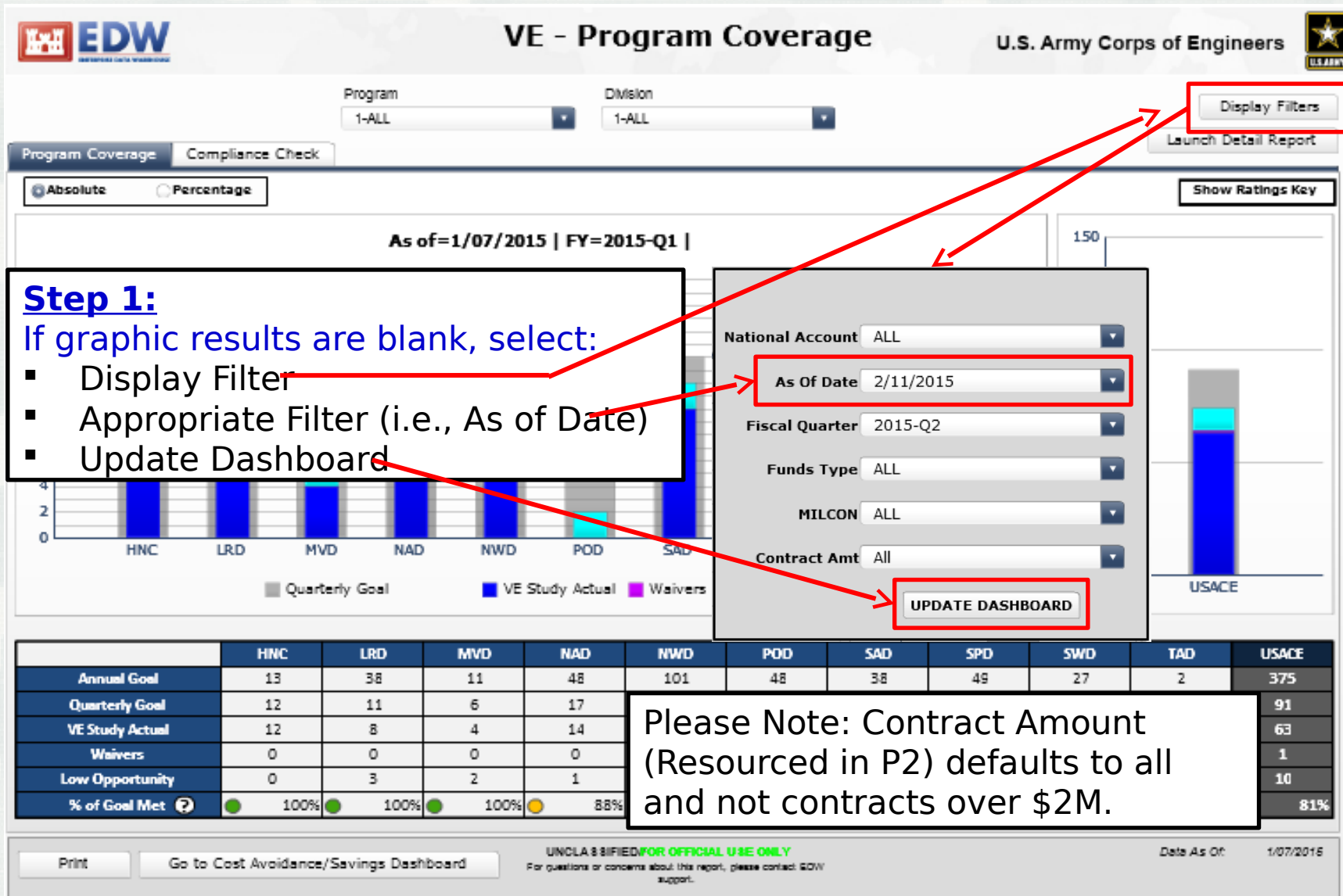


VE Data 101 17-Feb-15



BUILDING STRONG

Sample Dashboard



Please Note: Contract Amount (Resourced in P2) defaults to all and not contracts over \$2M.



Sample Dashboard



VE - Program Coverage

U.S. Army Corps of Engineers



Program

1-ALL

Division

1-ALL

Display Filters

Launch Detail Report

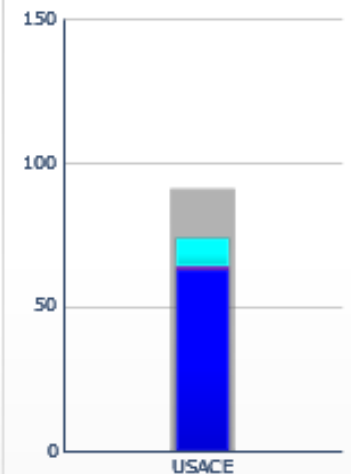
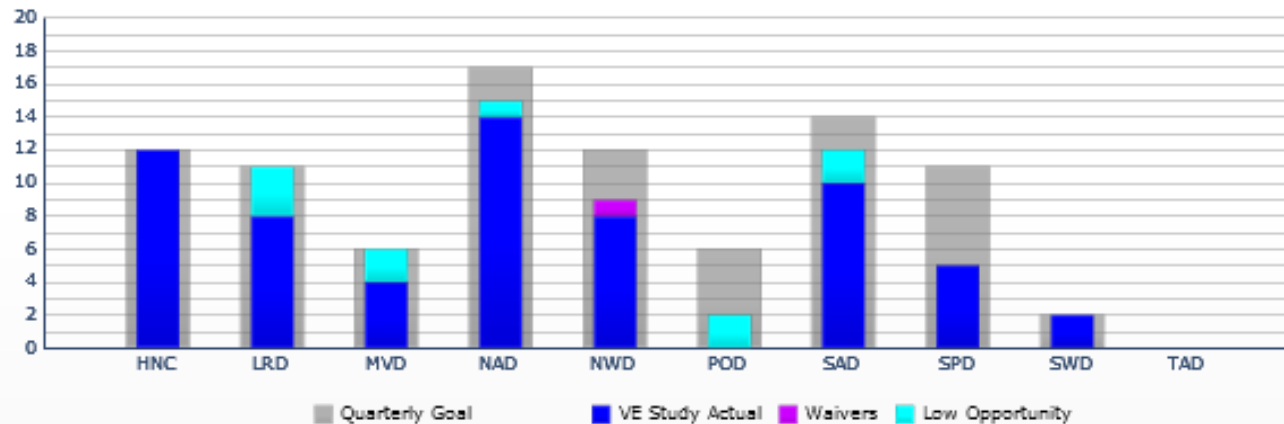
Program Coverage

Compliance Check

☒ Absolute ☐ Percentage

Show Ratings Key

As of=1/07/2015 | FY=2015-Q1 |



	HNC	LRD	MVD	NAD	NWD	POD	SAD	SPD	SWD	TAD	USACE
Annual Goal	13	38	11	48	101	48	38	49	27	2	375
Quarterly Goal	12	11	6	17	12	6	14	11	2	0	91
VE Study Actual	12	8	4	14	8	0	10	5	2	0	63
Waivers	0	0	0	0	1	0	0	0	0	0	1
Low Opportunity	0	3	2	1	0	2	2	0	0	0	10
% of Goal Met ?	100%	100%	100%	88%	75%	33%	86%	45%	100%	NA	81%

Print

Go to Cost Avoidance/Savings Dashboard

UNCLASSIFIED FOR OFFICIAL USE ONLY
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Date As Of: 1/07/2016

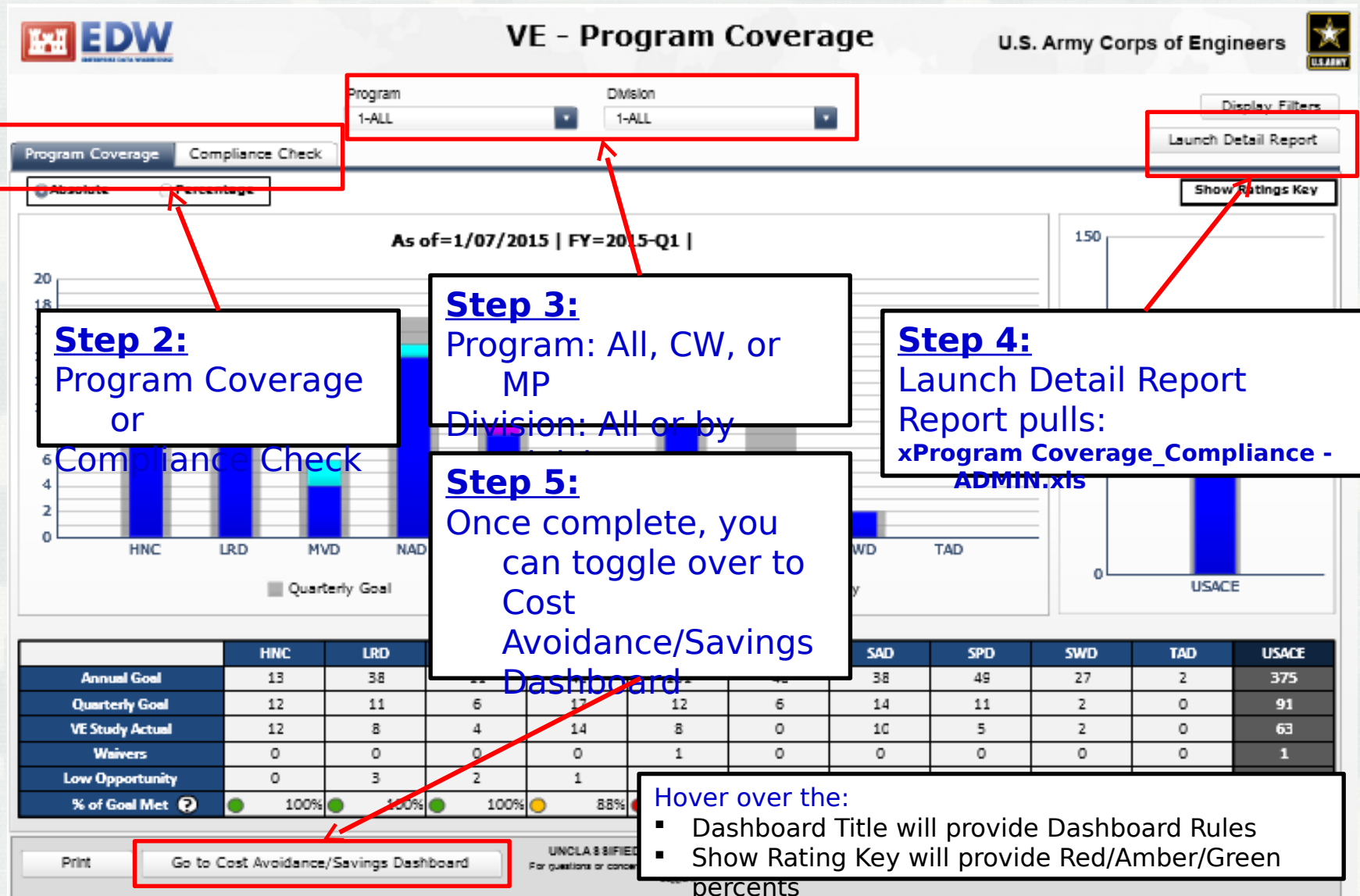


VE Data 101 17-Feb-15



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Sample Dashboard



Sample Report

DocumentView100%1/1

Refresh AllTrack

EDW

ENTERPRISE DATA WAREHOUSE

Value Engineering - Program Coverage (Annual Goal)
(For Official Use Only)

Program	Division	Funds Type	Minimum Contract Amount		Data As Of Date	Fiscal QTR	Annual Goal							
1-ALL	1-ALL	ALL	0		1/7/2015 12:00:00 AM	2015-Q1	375							

Division	District	Project Number	Project Name	Project Manager Name	Feature	Contract Amount	Arlc	Program Amt	Auth Phase	1391	VF Status	Ve Project Type
HNC	HNC	446445	FT Devens MPMG	STEPHENSON, WILLIAM C	*Not Specified	\$0.00	Devens AR		0		Approved	Military
HNC	HNC	448215	FRR- 88th Regional Support Command	BONDS, LANITA A	*Not Specified	\$0.00					Approved	Military
HNC	HNC	448428	DLA Fuels FY 15 Air Force Phase 2	GRAHAM, RODNEY MAS	*Not Specified	\$0.00	Not Applicable		0		Approved	Military
HNC	HNC	448983	FY15 MU Central Funds	MCCLURE, BRYAN M.	*Not Specified	\$1,000,000.00	Huntsville, Al		0		Approved	Military
HNC	HNC	449540	ITS FY15 HPCMP Office	ANDREWS, ALONZO L	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449547	ITS FY15 Barvaria Med Department Activity (BMEDDAC)	MILLER, KEVIN B.	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449687	ITS FY15 APD Software, Licenses, Maintenance and Renewals	BARNHART, JERRY SCOT	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449691	FY15 SOUTHCOM Hardware and Software	BARNHART, JERRY SCOT	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449857	ITS FY15 CBMH Renovations FY15 Various Locations	NIXON, JR, EDWARD WAS	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449897	ITS FY15 ENGLINK O&M Support - IT Technical Service	PATTON, TERRY L	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449920	ITS FY15 PD ES - IT Technical Services	PATTON, TERRY L	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449937	ITS FY15 HISS	ANDREWS, ALONZO L	*Not Specified	\$0.00					Approved	Military
HNC	HNC	449993	ITS FY15 AFRIL HITS Unrestricted	LANDERS, MELANIE R	*Not Specified	\$0.00					Approved	Military
LRD	LRB	141089	Cleveland H OH Drdg	ASQUITH, MICHAEL D	FY15	\$10,200,000.00					Approved	Civil Works
LRD	LRB	153722	CAP 205 Thatcher Brook	BURKETT, MATTHEW ST	Thatcher	\$0.00					Approved	Civil Works
LRD	LRC	113990	Calumet Harbor & River, IL, IN	KROLL, TIMOTHY J	Calumet Harbor D	\$0.00					Approved	Civil Works
LRD	LRC	115261	GLFER - Ft Sheridan, IL	BUZAK, KIRSTON A	*Not Specified	\$9,505,000.02					Approved	Civil Works
LRD	LRC	353595	GLFER - Sagnashkee Slough	BUZAK, KIRSTON A	*Not Specified	\$1,000.00					Approved	Civil Works
LRD	LRC	397071	GLFER - Hegewisch Marsh Restoration	BUZAK, KIRSTON A	*Not Specified	\$203,000.00					Approved	Civil Works
LRD	LRE	153596	Z-Grand Haven Harbor MI	TAPP, JAMES D	*Not Specified	\$300,000.00					Approved	Civil Works
LRD	LRE	404218	C-GLFER-Upper Underwood Creek, WI (404218)	POWELL, PAUL A	*Not Specified	\$0.00					Approved	Civil Works
LRD	LRL	112758	Mill Creek, Ohio Flo	SCHUELER, BARRY J	Section 1&2	\$0.00					Approved	Civil Works
LRD	LRL	400191	076365 Trps Btlm Facil	CRUZ, JAMES G.	*Not Specified	\$0.00	Fort Campbell	\$26,342,000.00	7	076365	Approved	Military
LRD	LRL	400589	DESC1510 Replace Fuel Distribution Facilities, Selfridge	ALLGEIER, DANIEL J.	*Not Specified	\$35,000,000.00	Selfridge, MI	\$35,100,000.00	A	DESC1510	Approved	Military
LRD	LRL	404048	Brevoort, IN Rehab Levee, FY13 Flood Season	WALKER, DONALD S	*Not Specified	\$0.00					Approved	Civil Works
LRD	LRL	404049	Wabash Levee Unit #5 Rehab FY13 Flood Season	WALKER, DONALD S	*Not Specified	\$0.00					Approved	Civil Works
LRD	LRL	406440	OTH 071901 Army Reserve Center/AMSA	PURIFOY, STACEY R	*Not Specified	\$784,000.00	Fresno, Ca	\$22,000,000.00	6	071901	Approved	Military
LRD	LRL	406442	OTH 072291 TASS Training Center	CARDWELL, GREGORY O	*Not Specified	\$16,000,000.00	Fort Lee	\$16,000,000.00	A	072291	Approved	Military
LRD	LRL	406443	OTH 067661 Army Reserve Center/AMSA	HIGGINS, JR, MICHAEL FR	*Not Specified	\$0.00	Mattydale, Ny	\$23,000,000.00	6	067661	Approved	Military
LRD	LRL	445028	Taxiway C East Replacement	SHUMATE, CRAIG L	*Not Specified	\$0.00	Wright Patterson Air Force Bas	\$9,060,000.00	6	ZHTV100117	Approved	Military
LRD	LRL	445727	FBNV169001 Guardian Angel Ops	GOODMAN, MICHAEL D	*Not Specified	\$48,000.00	Davis Monthan Air Force Base	\$18,200,000.00	6	FBNV169001	Approved	Military
LRD	LRL	446054	AFRC Consolidated Mission Complex - Phase 1	MARSHALL, JAMES D	*Not Specified	\$0.00	Robins Air Force Base		2		Approved	Military

VE - Program Coverage

VE - Coverage Waiver and LO

VE - Program Coverage Annual

VE - Compliance Check

VE - Comp Waiver and LO

VE - Comp Studies w Waiver-LO

Parameters

Tabs Available

VE - Program Coverage	VE - Coverage Waiver and LO	VE Program Coverage Annual	VE - Compliance Check
VE - Comp Waiver and LO	VE - Comp Studies w Waiver-LO	Parameters	

(1) "Yellow" indicates primary tabs that generate the metric results. "Purple" should also be analyzed for QC for future quarters.

Sample Report

Document View100%1 / 1

EDW

ENTERPRISE DATA WAREHOUSE

Value Engineering - Program Coverage (Cumulative Quarterly)
(For Official Use Only)

Program	Division	Funds Type	Minimum Contract Amount	Data As Of Date	Fiscal QTR	VE Study Goal
1-ALL	1-ALL	ALL	0	1/7/2015 12:00:00 AM	2015-Q1	91

Document View100%1 / 1+

Division	District	Project	Project Name	Project Manager	VE Project	VE Status	Program Amt	Milcon Flag	Funds Type	Funds Type Name	
HNC	HNC	449547	ITS FY15 Barvaria Med Department Activity (BMEDDAC)	MILNER, KEVIN B.	Military	Project	Approved		N	MP	MP
HNC	HNC	449687	ITS FY15 APD Software, Licenses, Maintenance and Renewals	BARNHART, JERRY SCOT	Military	Project	Approved		Y	1H	DLAOM
HNC	HNC	449691	FY15 SOUTHCOM Hardware and Software	BARNHART, JERRY SCOT	Military	Project	Approved		N	14	OMA
HNC	HNC	449857	ITS FY15 CBMH Renovations FY15 Various Locations	NIXON, JR, EDWARD WAS	Military	Project	Approved		N	MP	MP
HNC	HNC	449897	ITS FY15 ENGLink O&M Support - IT Technical Service	PATTON, TERRY L	Military	Project	Approved		N	MP	MP
HNC	HNC	449920	ITS FY15 PD ES - IT Technical Services	PATTON, TERRY L	Military	Project	Approved		N	MP	MP
HNC	HNC	449937	ITS FY15 HISS	ANDREWS, ALONZO L	Military	Project	Approved		N	MP	MP
HNC	HNC	449993	ITS FY15 AFRL HITS Unrestricted	LANDERS, MELANIE R	Military	Project	Approved		N	MP	MP
LRD	LRB	153722	CAP 205 Thatcher Brook	BURKETT, MATTHEW ST	Civil Works	CAP	Approved	160234	N	CW	CW
LRD	LRC	115261	GLFER - Ft Sheridan, IL	BUZAK, KIRSTON A	Civil Works	NonCAP	Approved	053991	N	CW	CW
LRD	LRC	353595	GLFER - Sagnashkee Slough	BUZAK, KIRSTON A	Civil Works	NonCAP	Approved	053991	N	CW	CW
LRD	LRC	397071	GLFER - Hegewisch Marsh Restoration	BUZAK, KIRSTON A	Civil Works	NonCAP	Approved	053991	N	CW	CW
LRD	LRE	153596	Z-Grand Haven Harbor MI	TAPP, JAMES D	Civil Works	O and M	Approved	006670	N	CW	CW
LRD	LRE	404218	C-GLFER-Upper Underwood Creek, WI (404218)	POWELL, PAUL A	Civil Works	NonCAP	Approved	053991	N	CW	CW
LRD	LRL	112758	Mill Creek, Ohio Flo	SCHUELER, BARRY J	Civil Works	NonCAP	Approved	011180	N	CW	CW
LRD	LRL	400191	076365 Trps Bln Facil	CRUZ, JAMES G.	Military	CAPCES	Approved	E314-700000.DOD0	7	076365	\$26,342,000.00
LRD	LRL	400589	DESC1510 Replace Fuel Distribution Facilities, Selfridge	ALLGEIER, DANIEL J.	Military	Project	Approved	E314-700000.DOD0	A	DESC1510	\$35,100,000.00
LRD	LRL	445028	Taxiway C East Replacement	SHUMATE, CRAIG L	Military	Project	Approved	E314-700000.AF00	6	ZHTV100117	\$9,060,000.00
LRD	LRN	111257	Cheatham Lock And Dam, TN	BIVENS, TONY H	Civil Works	O and M	Approved	003040	N	CW	CW
MVD	MVN	135523	FCOE LK PONT & VIC RECONSTR	BURKE, CAROL V	Civil Works	NonCAP	Approved	009350	N	CW	CW
MVD	MVN	156489	156489 2008 HS GI Rehab HPO	VANDERSON, ANNETTE M	Civil Works	NonCAP	Approved	075315	N	CW	CW
MVD	MVN	401228	GI LCA BUDMAT, Tiger Pass	NELSEN, JOANN J	Civil Works	NonCAP	Approved	013573	N	CW	CW
								013573	N	CW	CW
								013490	N	CW	CW
								010524	N	CW	CW
								331281	N	CW	CW
								331282	N	CW	CW
								E314-700000.000	2		\$3,000,000.00

Refresh AllTrack

- Document: Save flat file to Excel (2003 or 2007), PDF, CSV, or Text
- View: Change View Mode

- **Document:** Save flat file to Excel (2003 or 2007), PDF, CSV, or Text
- **View:** Change View Mode
- **Print:** Export to PDF for Printing
- **Search:** Allows searching of data within report.
- **Zoom:** Zoom 10% to 500%
- **Page:** Go to a specific page of the report



Report Data 101 17-Feb-15



Sample Report

Document View 100% 1 / 1

EDW
ENTERPRISE DATA WAREHOUSE

Value Engineering - Program Coverage (Cumulative Quarterly)
(For Official Use Only)

Program	Division	Funds Type	Minimum Contract Amount	Data As Of Date	Fiscal QTR	VE Study Goal
1-ALL	1-ALL	ALL	0	1/7/2015 12:00:00 AM	2015-Q1	91

Document View 100% 1 / 1

Refresh All **Track**

Division	Project	Project Name	Project Manager	VE Project	VE Status	Program	Auth	Form 1391 Processor Number	Program Amt	Milcon Flag	Funds Type	Funds Type Name
HNC	HNC	449547 ITS FY15 Barvaria Med Department Activity (BMEDDAC)	MILLER, KEVIN B.	Military	Project	Approved				N	MP	MP
HNC	HNC	449687 ITS FY15 APD Software, Licenses, Maintenance and Renewals	BARNHART, JERRY SCOT	Military	Project	Approved				Y	1H	DLAOM
HNC	HNC	449691 FY15 SOUTHCOM Hardware and Software	BARNHART, JERRY SCOT	Military	Project	Approved				N	14	OMA
HNC	HNC	449857 ITS FY15 CBMH Renovations FY15 Various Locations	NIXON, JR, EDWARD WAS	Military	Project	Approved				N	MP	MP
HNC	HNC	449897 ITS FY15 ENGLink O&M Support - IT Technical Service	PATTON, TERRY L	Military	Project	Approved				N	MP	MP
HNC	HNC	449920 ITS FY15 PD ES - IT Technical Services	PATTON, TERRY L	Military	Project	Approved				N	MP	MP
HNC	HNC	449937 ITS FY15 HISS	ANDREWS, ALONZO L	Military	Project	Approved				N	MP	MP
HNC	HNC	449993 ITS FY15 AFRL HITS Unrestricted	LANDERS, MELANIE R	Military	Project	Approved				N	MP	MP
LRD	LRB	153722 CAP 205 Thatcher Brook	BURKETT, MATTHEW ST	Civil Works	Project	Approved	160234			N	CW	CW
LRD	LRC	115261 GLFER - Ft Sheridan, IL	BUZAK, KIRSTON A	Civil Works	NonCAP	Approved	053991			N	CW	CW
LRD	LRC	353595 GLFER - Sagnashkee Slough	BUZAK, KIRSTON A	Civil Works	NonCAP	Approved	053991			N	CW	CW
LRD	LRC	397071 GLFER - Hegewisch Marsh Restoration	BUZAK, KIRSTON A	Civil Works	NonCAP	Approved	053991			N	CW	CW
LRD	LRE	153596 Z-Grand Haven Harbor MI	TAPP, JAMES D	Civil Works	O and M	Approved	053991			N	CW	CW
LRD	LRE	404218 C-GLFER-Upper Underwood Creek, WI (404218)	POWELL, PAUL A	Civil Works	NonCAP	Approved				N	CW	CW
LRD	LRL	112758 Mill Creek, Ohio Flo	SCHUELER, BARRY J	Civil Works	NonCAP	Approved				N	CW	CW
LRD	LRL	400191 076365 Trps Btlm Facil	CRUZ, JAMES G.	Military	CAPCES	Approved	E31			N	CW	CW
LRD	LRL	400589 DESC1510 Replace Fuel Distribution Facilities, Selfridge	ALLGEIER, DANIEL J.	Military	Project	Approved	E31			N	CW	CW
LRD	LRL	445028 Taxiway C East Replacement	SHUMATE, CRAIG	Military	Project	Approved	E31			N	CW	CW
LRD	LRN	111257 Cheatham Lock And Dam, TN	BIVENS, TONY H	Civil Works	O and M	Approved				N	CW	CW
MVD	MVN	135523 FCOE LK PONT & VIC RECONSTR	BLAKE, CAROL V	Civil Works	NonCAP	Approved				N	CW	CW
MVD	MVN	156489 156489 2008 HS GI Rehab HPO	VANDERSON, ANNETTE M	Civil Works	NonCAP	Approved				N	CW	CW
MVD	MVN	401228 GI LCA BUDMAT, Tiger Pass	NELSEN, JOANN J	Civil Works	NonCAP	Approved				N	CW	CW

Refresh All **Track**

Refresh Values

Enter As Of Date: 2/11/2015 12:00:00 AM

Enter End Date: 3/31/2015 12:00:00 AM

Enter Contract Amount: 0

Enter Division: 1-ALL

Enter Funds Type: ALL

Enter MILCON Flag: ALL

Enter National Account: ALL

Enter Program: 1-ALL

Enter Start Date: 10/1/2014 12:00:00 AM

Run Query Cancel

- Refresh All:** Lets you revise query output based on filters in the prompt
- Track:** Activate Data Tracking

Unless you are comfortable with the power of the EDW, only use the "Document" export feature and export data to Excel for QC purposes.



Sample Report

- Data fields available for Program Coverage or Compliance Check

Data Fields in the EDW Report				
Division	1391	Dsn Agent	CW285 Actual	VE End Actual
District	Wf Status	Program Code	CW285 Sched	VE End Sched
Project Number	Ve Project Type	CC800 Actual	CW290 Actual	VE Low Opportunity
Project Name	Funds Type	CC800 Sched	CW290 Sched	VE Start Sched
Project Manager Name	Constr Agent	CC820 Actual	ML180 Actual	VE Start Actual
Feature	Funds Type Name	CC820 Sched	ML180 Sched	Waiver Date
Contract Amount	Contract Resources	EN140 Actual	ML285 Actual	Wbs Status
Arloc	Milcon Flag	EN140 Sched	ML285 Sched	
Program Amt	Program Year	CW195 Actual	ML290 Actual	
Auth Phase	SubType	CW195 Sched	ML290 Sched	

Key VE data in query



Value Engineering Data Points

Mission Area	Size of Project (1) (2)	Feature (3)	Waiver (4)	Low Opportunity (4)	Award	VE Start	VE End (4)
Civil Works-Plans & Specs	Contract Resource Amount	Use Defined Filed (UDF)	Waiver Date	Low Opportunity Date	cc800/ cc801	CW285	CW290
Civil Works-Feasibility Study	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	---	CW192	CW195
IIS - Civil Funded (5)	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	cc800/ cc801	CW285	CW290
MILCON	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	cc800/ cc801	ML285	ML290
Minor MILCON	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	cc800/ cc801	ML285	ML290
SRM	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	cc800/ cc801	ML285	ML290
IIS - Military Funded (5)	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	cc800/ cc801	ML285	ML290
HTRW	Contract Resource Amount	UDF	Waiver Date	Low Opportunity Date	cc800/ cc801	EN139	EN140
(1) Contract Amount is the sum of CONSVCS and OTHCONSVCS resourced amounts in a given FY. If more than one contract is resourced, then the use of Feature codes is required in P2 to relate individual contract activities. (2) Unclear how to QA/QC feature codes as part of data validation. (3) FEATURE is a manually entered text field in Primavera. The only requirement on using the FEATURE code is that all activities belonging to a contract / product must have the same exact value in the FEATURE code field. This field allows you to track multiple VE studies within one P2 number. It is only applicable when you have more than one contract acquisition. (4) A contract/project must have either a VE Study finish milestone date, low opportunity date, or waiver date in the given FY to count for Program Coverage. (5) IIS projects are included in either in MP or CW. Military Fund Type determines where a project falls. If an IIS project has a Military Fund Type it will be reported with MP, if not the project will be reported with CW.							

Data Point not in the Flat File



Value Engineering P2 Screenshot

PrimaveraPM - Citrix Receiver

Primavera P6 Professional R8.2 : 403078 (KC-46 3-BAY GEN PURPOSE MAINT HANGAR)

File Edit View Project Enterprise Tools Help

Activities

Projects Activities

Layout: Classic WBS Layout Filter: All Activities

Activity ID	Activity Name	Start	Finish	Milestone - Military	Milestone - Construction	VE Low Opportunity	Waiver Date
A5950	HAG Input Complete		12-Aug-14 A	XX999			
403078.403078.AE.40000	VALUE ENGINEERING	15-Oct-13 A	21-Nov-13 A				
A5250	VE Study Start	15-Oct-13 A		ML285			
A5240	Conduct Value Engineering Study	15-Oct-13 A	21-Nov-13 A				
A5260	VE Study Approved		15-Nov-13 A	ML290			
403078.403078.AE.1	Enhanced Commissioning	22-May-14 A	26-Sep-17				
403078.403078.AE.50000	AA&P & PRODUCT SURVEY - DESIGN	09-Jul-13 A	26-Sep-17				
403078.403078.AE.60000	CONSTRUCTION	22-May-14 A	26-Sep-17				
A5770	PM-M Project Closeout	29-Aug-17	26-Sep-17				
A5540	Project Fiscal Completion		26-Sep-17	ML260			
403078.403078.AE.60000.61000	WS12DQ-14-C-4006NA-KC-46A 3-2-1	22-May-14 A	26-Sep-17				
A5600	Contract Award (RMS) - 3-Bay		22-May-14 A		CC800		
A5550	Construction NTP Acknowledged (RMS)	24-Jun-14 A			CC810		

VE Study Start (ML285)
Conduct Value Engineering Study (Where Resources are Budgeted)
VE Study Approved (ML290)

VE Low Opportunity & Waiver Date

Value Engineering - EIG Report

- EIG Report on Value Engineering was released in December with 12 recommendations - they include:
 - ▶ Qualified, Trained, Dedicated VE staff
 - ▶ Develop guidance, checklists, clarifications
 - ▶ Higher visibility- DCGs, Commanders, Directors to be more involved
 - ▶ Update Roles and Responsibilities
- Metrics - I don't trust the data, I don't trust the rating



U.S. Army Corps of Engineers Engineer Inspector General Inspection Report



Inspection of the USACE Value Engineering Program

December 2014

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Dissemination is prohibited except as

**Slide Reported at the
Last NWD RPRB**



VE Data 101 17-Feb-15



Value Engineering - ELG Report

USACE VALUE ENGINEERING PROGRAM INSPECTION RECOMMENDATIONS

1. Commanders and Directors ensure the assigned VEO is an individual qualified and willing to perform the VE duties and functions outlined ER 11-1-321 Change 1.
2. DCG-CEO develop a training plan and program for the USACE Value Engineering Community of Practice.
3. Commanders and Directors ensure their commands complete all VE studies for projects that meet or exceed established VE dollar thresholds as required.
4. Commanders and Directors ensure that all command VE studies are led by a VE professional with the proper certification and completed in accordance with SAVE International® Methodology and standards as required.
5. Commanders and Directors ensure that VE requirements in the USACE PMBP Manual and ECB 2013-21 are a part of every project as required.
6. DCG direct the DCG-MIO and DCG-CEO to develop a standard VE checklist, to include scheduling and resourcing VE efforts, which PMs and PDTs will apply to each USACE project to ensure VE requirements are met.
7. Commanders and Directors ensure the MSC VE Program Manager position is staffed by a qualified individual with the primary duty of performing the VE functions outlined in ER 11-1-321 Change 1.
8. DCG direct the DCG-MIO and DCG-CEO to revise VE specific guidance, policies and manuals to clarify and update VE roles, responsibilities and requirements.
9. DCG direct revisions and updates to USAGE policy and guidance to clarify VE roles, responsibilities and requirements across all mission areas.
10. DCG direct the DCG-MIO and DCG-CEO to meet with supported agencies, departments and commands to clarify VE requirements and responsibilities when USACE is the contract executing authority for their projects.
11. DCG direct the DCG-MIO and DCG-CEO to evaluate and validate VE metrics and measures to ensure VE performance is accurately assessed and captured at USAGE commands.
12. Commanders and Directors ensure that including VE performance and metrics in Command Management Reviews.

**Slide Reported at the
Last NWD RPRB**



Value Engineering - EIG Report

USACE VALUE ENGINEERING PROGRAM

INSPECTION RECOMMENDATIONS

1. Commanders and Directors ensure the assigned VEO is an individual qualified and willing to perform the VE duties and functions outlined in ER 11-1-221, Class 1.
2. DCG direct the DCG-MIO and DCG-CEO to develop specific guidance, policies and verify and update VE roles, responsibilities and requirements.
3. Commanders and Directors ensure that all command VE studies are led by a VE professional with the proper certification and completed in accordance with SAVE International® Methodology and standards as required.
4. Commanders and Directors ensure that VE requirements in the USACE PMBP Manual and ECB 2013-21 are a part of every project as required.
5. DCG direct the DCG-MIO and DCG-CEO to develop a standard VE checklist, to include scheduling and resourcing VE efforts, which PMs and PDTs will apply to each USACE project to ensure VE requirements are met.
7. Commanders and Directors ensure the MSC VE Program Manager position is staffed by a qualified individual with the primary duty of performing the VE functions outlined in ER 11-1-221, Class 1.
10. DCG direct the DCG-MIO and DCG-CEO to meet with supported agencies, departments and contractors to ensure their requirements are met.
11. DCG direct the DCG-MIO and DCG-CEO to evaluate the accuracy of the data used in the project.
12. Commanders and Directors ensure that the project includes VE performance and metrics in Command Management Reviews.

How do we comply with the EIG Report if the Data is Suspect?

VEO's QC the Data

Slide Reported at the Last NWD RPRB



QA/QC the Data

■ VE - Program Coverage Annual

- ▶ A project is counted in the query when “ML290(S)” is added from the generic template regardless of the need for a VE. For the purposes of this discussion, the data that will be analyzed is:
 - NWD-All (CW & MP)
 - Data Set Analyzed: Program Coverage-Annual given it has the most line items to QC. Analysis will help both Coverage and Compliance.
 - Data Date: 7-Jan-15
 - All Project Active in P2 (Not closed, inactive canceled, etc)
- ▶ Focus on:
 - Program Year (Column S)
 - Contract Amount/Resourced in P2 (Column G)
 - Program Amount (Column I)
 - Contract Award (Column G)
 - VE Start (S/A): Summary of EN139, CW285, or ML285 (Columns AR & AS)
 - VE End (S/A): Summary of EN140, CW290, and ML290 (Column AP & AO)
 - Waiver Date (Column AT), and
 - Low Opportunity Date (Column AQ)
- ▶ Will not focus on:
 - Authorization Phase
 - Customer Number
 - Other Milestones

Project Data
Provided in
Backup



QA/QC the Data

Sample Results:

- ▶ **VE Complete:** Flag all projects where VE End (A), Low Opp or Waiver Complete
- ▶ **VE Milestones:** Verify if VE Start = VE Finish. Could mean milestones were added but not updated or not needed.
- ▶ **Contract Amount:** Flag resourced amounts greater than \$2.0M and verify milestones and Low Opportunity or Waiver dates. Contract Amounts are zero due to:
 - Line-item has not been resources or
 - Line-Items resourced in a future year
- ▶ **Program Amount:** Flag PAs greater than \$2.0M and verify milestones and Low Opportunity or Waiver dates. These may not be resourced yet.
- ▶ **Program Year:** Verify PY which is too far in the past or too far ahead in the future to see if projects are valid. Usually these projects are inactive and have not been closed in P2.

PY Blank = 21	PY 2014 = 47
PY 2008 = 1	PY 2015 = 18
PY 2010 = 2	PY 2016 = 2
PY 2012 = 3	PY LR (Long Range) = 4⁽¹⁾
PY 2013 = 3	
(1) VE Query should not pull Long Range Projects	

QA/QC the Data

Summary of Findings:

Code	Comment	Results	DISTRICT	NOP
VE(A)	VE Actual	8	NWK	11
W	Waiver	2	NWO	64
LO	Low Opportunity	0	NWP	7
VE(S)	VE Scheduled	12	NWS	14
VE(T)	VE Needed based on Contract Amount (CA). VE End (S) =VE Start (S)	6	NWW	5
VE(P)	VE possibly needed based on Program Amount (PA). Need to verify with PM.	8	TOTAL	101
PY	Program Year equals Long Range	4		
AWD(B)	Award cc800 is blank. There may not be an acquisition under this line item.	15		
T	CA or PA less than \$2M and VE End (S) =VE Start (S). Delete Milestone dates	12		
V	Verify since there is not enough data to determine line item.	34		
TOTAL		101		
P2 data does not appear to have a problem.		21.78%		
Probable P2 error		21.78%		
Need to Verify with the PM		56.44%		



QA/QC the Data

- Other Resources for General Project Info: located at: <https://pmbp.usace.army.mil/portal/pls/portal/pmbp.cmi.home>
- The lack of P2 data outside of MILCON (i.e., SRM), makes VE hard to determine such as PA's being blank.
- VEOs need to monitor what is resourced in P2 and the Program Amount
- VEO's need to verify (based on low project numbers) does the P2 templates outside of MILCON have the VF Milestones

PMs do not QC most data outside of (1) design reviews, (2) when project is ready to advertise, (3) award (cc800), or (4) project closeout.



Best Business Practices

- PRB Monitoring. Need to look at all sources for information regarding what projects should be in your VE Management Plan.
- Keep Two Set Of Books:
 - ▶ Your set which is the master for QA/QC purposes
 - ▶ What is reported in P2
- Track the ceiling amount for the data line item. MILCON calls the field Program Amount. All other Mission Areas may or may not include it in P2.
- Data Quality:
 - ▶ Perform periodic P2 vs. your set of books data quality check of projects
 - ▶ Work with the Mission Area Chiefs and their P2 schedulers
- Become a Value Engineering Data Program Manager and not just a VE Officer. This will assist you in getting project data corrected, copies of the PRB, and out year project lists.
- Understand How Your District Updates P2 (everybody is different)
- **Report VE at your District PRB.**

***...and now for a live view of the
EDW...***



Backup



SFI 4a: Value Engineering (V1), Cost Savings And Avoidance

SFI 4a – Value Engineering (V1), Cost Savings and Avoidance

Criteria to identify KPI (check at least one):

- ☒ It's vital to achieving mission success; meaning failure to accomplish the goal results in unacceptable risk to mission success.
- ☒ It's vital to customer requirements; meaning failure to achieve the goal results in unacceptable risk to customer satisfaction.
- ☒ It's vital to satisfying statutory and regulatory requirement.

PURPOSE: To comply with Pub. L. 111-350 (41 USC 1711); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14; and ER 11-1-321 (Change 1) to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement in the business of government. Key Results Indicator included in the Chief's VE Annual Performance Report to OMB-OFPP and OSD (AT&L).

IMPACTS OF FAILURE: Metric is a Lagging Indicator. Failure indicates USACE Annual Performance missed OMB/DoD efficiency (VE) goals of 1.5% of Total Obligations Authority (TOA); Impacts annual report of performance ratings for USACE/Customers in "Efficiency & Effectiveness in the Business of Government" (OMB Performance Measures); Potential impacts during Federal budget process.

DEFINITIONS: Value Engineering (VE) benefits (Cost Avoidance (CA) or Cost Savings (CS)) may be claimed on any Federally authorized project or process upon execution. "Cost Avoidance" refers to the case where proposals are implemented before a contract occurs, thus avoiding future cost. "Cost Savings" refers to the case where a contract is in place and implementing a VE proposal results in non-expenditure of money, which would have otherwise been spent. Cost savings will typically be the result of implemented VECs submitted by the contractor. Per DoDIG definition, in order to be claimed as meeting VE requirement, effort must be team effort (i.e., IPT/PDT); document evidence of functional analysis/evaluation of worth/cost comparisons (per ASTM 1699-13, Function Analysis); and not the result of actions expected in the normal accomplishment of duties/services otherwise performed by the Component/Service; or shows VE savings based on approved contractor-submitted VEC.

DATA SOURCE(s): P2 and VERS.

RELATIONSHIP of DATA to WHAT is MEASURED: Data and Goal are dollars. Cost Avoidance documents results of continuous VE efforts undertaken to seek the highest value for a program or project by balancing available resources and required quality; claimed in the year of contract execution. Cost Savings documents the Corps partnering with the construction contractor after award to insure the customer receives the best value for resources expended. Data/Systems are subject to CFO Act compliance.

METRIC CALCULATION: (Dollars saved or avoided) divided by (1.5% of Military TOA) times 100 for a percent.

RATING CRITERIA: Q1-Q3 Not Rated. Q4 Rating Criteria: Green $\geq$ 95%; Amber 85% to 95%; Red < 85%. CA/CS is measured and reported to OMB / OSD(ATL). FOCUS on adherence to Program Coverage requirements will insure CA/CS meets USACE assigned Goals.

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SFI 4b: Value Engineering (V2), Program Coverage

SFI 4b – Value Engineering (V2), Program Coverage

Criteria to identify KPI (check at least one):

- ☒ It's vital to achieving mission success; meaning failure to accomplish the goal results in unacceptable risk to mission success.
- ☒ It's vital to customer requirements; meaning failure to achieve the goal results in unacceptable risk to customer satisfaction.
- ☒ It's vital to satisfying statutory and regulatory requirement.

PURPOSE: To ensure required VE is documented and appropriate VE level of effort is performed in accordance with Public Law(s), OMB Cir. A-131 (A-11, A-123), and DoD Instructions; Documents USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement in the business of government. Demonstrates compliance with USACE PMBP to utilize VE (functional analysis approach for decision making), as a management tool applied continuously throughout life cycle of projects/programs (REF 8023G). ECB 2013-21 automates Screening efforts by VEOs and documents execution strategy in the project VMP (in PMP) identifying schedule/budgeting/resources needed to accomplish at Project Initiation/Development Phase. Information makes up the Chief's Annual VE Plan to OMB & OSD (ATL).

IMPACTS OF FAILURE: Metric is a Leading Indicator and predictive of success in Cost Avoidance/Cost Savings and Compliance performance metrics/goals.

DEFINITIONS: See ER 11-1-321 (Change 1).

DATA SOURCE(s): P2

RELATIONSHIP of DATA to WHAT is MEASURED: Data consists of team VE workshops scheduled/completed or documented as "Low Opportunity" per regulation; or Waivers approved by legal authority. Goal is Programs/Projects/Procurements on which VE is required. Data/Systems are subject to CFO Act compliance.

METRIC CALCULATION: VE Activities completed (ML290/CW290/CW195/EN140 VE Study Finish Actual+ Low Opportunity + Waivers) times 100, divided by Total VE Activities (ML290/CW290/CW195/EN140 VE Study Finish Scheduled+Low Opportunity+Waivers).

RATING CRITERIA: QUARTERLY: Green $\geq$ 95%, Amber 85% to 95%, and Red $<$ 85%
QUARTERLY: Progress towards Quarterly Goal

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SFI 4c: Value Engineering (V3), Statutory/Regulatory Compliance

SFI 4c – Value Engineering (V3), Statutory/Regulatory Compliance

Criteria to identify KPI (check at least one):

- ☒ It's vital to achieving mission success; meaning failure to accomplish the goal results in unacceptable risk to mission success.
- ☒ It's vital to customer requirements; meaning failure to achieve the goal results in unacceptable risk to customer satisfaction.
- ☒ It's vital to satisfying statutory and regulatory requirement.

PURPOSE: To validate compliance with statutory/regulatory requirements. Compliance data is a component of the Chief's Annual VE Performance Report to OMB-OFPP & OSD(ATL); and other compliance check/assurance statements per OMB Cir. A-123 (MICP Policy). Key compliance gate is BCOES compliance check to document PM/VEO certification. KO's shall NOT advertise/award projects without VE statutory/regulatory compliance certification.

IMPACTS OF FAILURE: Metric is a Lagging Indicator and assesses USACE compliance with and statutory and regulatory requirements; failure indicates a possible breakdown in accountability.

DEFINITIONS: See ER 11-1-321 (Change 1).

DATA SOURCE(s): P2

RELATIONSHIP of DATA to WHAT is MEASURED: Data shows required formal VE workshops completed, Low Opportunity for VE or Waivers. Goal is projects/contracts $\geq$ \$2M awarded in FY15. Data/Systems are subject to CFO Act compliance.

METRIC CALCULATION: VE Activities Completed (ML290/CW290/EN140 VE Study Finish Actual+Low Opportunity+Waiver) times 100 divided by Construction Contract Awards (CC800 A).

RATING CRITERIA: QUARTERLY: Green $\geq$ 95%; Amber 85% to 95%; Red < 85%.
QUARTERLY: Progress towards Quarterly Goal

Chapter 4 (CECW) Pg - 9 (May 14)



MP16: Value Engineering, Cost Savings And Avoidance

MILITARY PROGRAMS

MP16: VALUE ENGINEERING, COST SAVINGS AND AVOIDANCE

PROPOSERS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external customers

PROGRAM S/TYPE FUNDS CODES (TFC):

All USACE Projects/Procurements

DATA SOURCE(s): VERS

RATED: Quarterly

PROGRAM YEARS (PY) MEASURED: FY15

GOAL: To document auditable savings and avoidance equal to 1.5% of USACE Total Obligation Authority (TOA) per OSD (ATL). Goal will adjust quarterly. Per DoD 7000.14-R, TOA is the sum of: all budget authority (BA) granted (or requested) from the Congress in a given year; amounts authorized to be credited to a specific fund; BA transferred from another appropriation; and unobligated balances of BA from previous years which remain available for obligation.

PURPOSE: To comply with Pub. L. 111-350 (41 USC 1711); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Key component of USACE VE Annual Performance Report to OMB & OSD (ATL).

DEFINITIONS: Value Engineering (VE) benefits (Cost Avoidance (CA) or Cost Savings (CS)) may be claimed on any Federally authorized project or process upon execution. "Cost Avoidance" refers to the case where proposals are implemented before a contract occurs, thus avoiding future cost. "Cost Savings" refers to the case where a contract is in place and implementing a VE proposal results in non-expenditure of money, which would have otherwise been spent. Cost savings will typically be the result of implemented VECs submitted by the contractor. Per DoDIG definition, in order to be claimed as meeting VE requirement, effort must be team effort (i.e., IPT/PDT); document evidence of functional analysis/evaluation of worth/cost comparisons (per ASTM 1699-13, Function Analysis); and not the result of actions expected in the normal accomplishment of duties otherwise performed by the Component/Service; or shows VE savings based on approved contractor-submitted VEC.

RELATIONSHIP of DATA to WHAT is MEASURED: Data and Goal are dollars. Cost Avoidance documents results of continuous VE efforts undertaken to seek the highest value for a program or project by balancing available resources and required quality. Cost Savings documents the Corps partnering with the construction contractor after award to insure the customer receives the best value for resources expended.

METRIC CALCULATION:

Numerator: Dollars saved or avoided _____

Denominator: 1.5% of Military TOA) times 100 for a per cent.

RATING CRITERIA: Q1-Q3 Not Rated. Q4 Rating Criteria: Green $\geq$ 95%; Amber 85% to 95%; Red $<$ 85%. CA/CS is measured and reported to OMB / OSD(ATL) but focus on and adherence to Program Coverage requirements will insure CA/CS meets USACE assigned Goals.



MP17: Value Engineering, Program Coverage

MILITARY PROGRAMS

MP17: VALUE ENGINEERING PROGRAM COVERAGE

PROPOSERS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external customers

PROGRAM S/TYPE FUNDS CODES (TFC):

All USACE Projects/Procurements

DATA SOURCE(s): P2

RATED: Quarterly

PROGRAM YEARS (PY) MEASURED: FY15

P2 MILESTONES: ML285 and ML290

GOAL: To perform required VE Workshops on programs/projects/procurements and portions thereof with total contract costs greater than \$2 million per ER 11-1-321 (Change 1) and HQ, CVO memorandum. Goal may adjust quarterly in accordance with VE milestones scheduled in P2.

PURPOSE: To ensure appropriate VE Workshops are performed in accordance with Public Law(s), OMB Circular A-131 (A-11, A-123), DoD Instructions; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Demonstrate compliance with USACE PMBP requirement to utilize VE (functional analysis approach for decision making) as a management tool applied continuously throughout life cycle of projects/programs (REF 8023G). ECB 2013-21 automates Screening efforts by VEOs and documents execution strategy in the project VMP (in PMP) identifying schedule/budgeting/resources needed to accomplish at Project Initiation/Development Phase. Information makes up the USACE VE Annual Plan to OMB & OSD (ATL).

DEFINITIONS: See ER 11-1-321 (Change 1).

RELATIONSHIP of DATA to WHAT is MEASURED: Data consists of team VE workshops completed, Low Opportunity for VE and Waivers; Goal is Programs/Projects/Procurements on which VE is required to be executed.

METRIC CALCULATION:

Numerator: VE Activities completed (ML290 VE Study Finish Actual+ Low Opportunity + Waivers) times 100
Denominator: Total VE Activities (ML290 VE Study Finish Scheduled+Low Opportunity+Waivers).

RATING CRITERIA: QUARTERLY: Green $\geq 95\%$, Amber 85% to 95%, and Red $< 85\%$
QUARTERLY: Progress towards Quarterly Goal

MP17a: Value Engineering, Statutory/Regulatory Compliance

MILITARY PROGRAMS

MP17a: VALUE ENGINEERING, STATUTOROY/REGULATORY COMPLIANCE

PROPOSERS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external customers

PROGRAM S/TYPE FUNDS CODES (TFC):

All USACE Projects/Procurements

DATA SOURCE(s): P2

RATED: Quarterly

PROGRAM YEARS (PY) MEASURED: FY15

P2 MILESTONES: ML285, ML290, and ce800

GOAL: To perform required VE Workshops on programs/projects/procurements and portions thereof with total contract costs greater than or equal to \$2 million as required by Pub. L. 111-350 (41 USC 1711); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14, and ER 11-1-321 (Change 1), MICP.

PURPOSE: To validate compliance with statutory/regulatory requirements. Compliance data is a component of USACE VE Annual Performance Report to OMB & OSD (ATL); and other compliance checks/reports per OMB Cir. A-123 (MICP Policy). BCOES is compliance check to document PM/VEO certification. KO's shall NOT advertise/award projects without VE statutory/regulatory compliance certification.

DEFINITIONS: See ER 11-1-321 (Change 1).

RELATIONSHIP of DATA to WHAT is MEASURED: Data shows required formal VE workshops completed. Low Opportunity for VE or Waivers. Goal is projects/contracts $\geq$ \$2M awarded in FY15.

METRIC CALCULATION:

Numerator: VE Activities Completed (ML290 VE Study Finish Actual+Low Opportunity+Waiver) times 100

Denominator: Construction Contract Awards (CC800 A)

RATING CRITERIA: QUARTERLY: Green $\geq$ 95%; Amber 85% to 95%; Red < 85%
QUARTERLY: Progress towards Quarterly Goal



CW08: Value Engineering, Cost Savings and Avoidance

CIVIL WORKS

CW08 - Value Engineering, Cost Savings and Avoidance

PROPOSERS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external

FREQUENCY: Quarterly

PROGRAMS/TYPE FUNDS (TF): All USACE Projects/Procurements

PROGRAM YEARS (PYs) MEASURED: FY15

GOAL: To document auditable savings and avoidance equal to 1.5% of Civil Works Total Obligation Authority (TOA). Goal will adjust quarterly. Per DoD 7000.14-R, TOA is the sum of: 1.) all budget authority (BA) granted (or requested) from the Congress in a given year, 2.) amounts authorized to be credited to a specific fund, 3.) BA transferred from another appropriation, and 4.) unobligated balances of BA from previous years which remain available for obligation.

PURPOSE: To comply with Public Law 111-350 (41 USC § 1711) & Public Law 99-662 ((33 U.S.C. § 2288), OMB Circular A-131 (A-11 & A-123), DoD Instructions 4245.14; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Key component of USACE VE Annual Performance Report to OMB & OSD (ATL).

DEFINITIONS Value Engineering (VE) benefits (Cost Avoidance (CA) or Cost Savings (CS)) may be claimed on any Federally authorized project or process upon execution. "Cost Avoidance" refers to the case where proposals are implemented before a contract occurs, thus avoiding future cost. "Cost Savings" refers to the case where a contract is in place and implementing a VE proposal results in non-expenditure of money, which would have otherwise been spent. Cost savings will typically be the result of implemented VECPs submitted by the contractor. Per DoDIG definition, in order to be claimed as meeting VE requirement, effort must be team effort (i.e., IPT/PDT); document evidence of functional analysis/evaluation of worth/cost comparisons (per ASTM 1699-13, Function Analysis); and not the result of actions expected in the normal accomplishment of duties otherwise performed by the Component/Service; or shows VE savings based on approved contractor-submitted VECP.

DATA SOURCE(s): P2 and VERS.

RELATIONSHIP of DATA to WHAT is MEASURED: Data and Goal are dollars. Cost Avoidance documents results of continuous VE efforts undertaken to seek the highest value for a program or project by balancing available resources and required quality. Cost Savings documents the Corps partnering with the construction contractor after award to insure the customer receives the best value for resources expended.

METRIC CALCULATION: (Dollars saved or avoided) divided by (1.5% of CW TOA) times 100 for a percent.

RATING CRITERIA: Q1-Q3 Not Rated. Q4 Rating Criteria: Green ≥ 95%; Amber 85% to 95%; Red < 85%. CA/CS is measured and reported to OMB/OSD (ATL) but focus on and adherence to Program Coverage requirements will insure CA/CS meets USACE assigned Goals.

Chapter 3 Table 2 Pg - 9 (May 14)



CW08a: Value Engineering, Program Coverage

CIVIL WORKS

CW08a - Value Engineering Program Coverage

PROPONENTS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external

FREQUENCY: Quarterly

PROGRAMS/TYPE FUNDS (TF): All USACE Projects/Procurements

PROGRAM YEARS (PYs) MEASURED: FY15

GOAL: To perform VE Workshops on all Civil Works programs/projects/procurements and portions thereof with total costs greater than \$2 million per ER 11-1-321 (Change 1) and HQ, CVO memorandum. Goal may adjust quarterly in accordance with VE milestones scheduled in P2.

PURPOSE: To ensure appropriate VE Workshops are performed in accordance with Public Law(s), OMB Circular A-131 (A-11, A-123), DoD Instructions; and to document USACE efforts to ensure constant, cost effectiveness/efficiency, and quality improvement. Demonstrate compliance with USACE PMBP requirement to utilize VE (functional analysis approach for decision making) as a management tool applied continuously throughout life cycle of projects/programs (REF 8023G). ECB 2013-21 automates Screening efforts by VEOs and documents execution strategy in the project VMP (in PMP) identifying schedule/budgeting/resources needed to accomplish at Project Initiation/Development Phase. Information makes up the USACE VE Annual Plan to OMB & OSD (ATL).

DEFINITIONS: See ER 11-1-321(Change 1).

DATA SOURCE(s): P2

RELATIONSHIP of DATA to WHAT is MEASURED: Data is documented formal team VE workshops, Low Opportunities, or approved Waivers completed, Goal is Programs/ Projects/ Procurements and Business Processes on which VE should be applied.

METRIC CALCULATION: VE Activities completed (CW195 + CW290 VE Study Finish Actual + Low Opportunity + Waivers) times 100 divided by Total VE Activities (CW195 + CW290 VE Study Finish Scheduled Actual + Low Opportunity + Waivers).

RATING CRITERIA: QUARTERLY: Green $\geq$ 95%; Amber 85% to 95%; Red $<$ 85%.
QUARTERLY: Progress towards Quarterly Goal

Chapter 3 Table 2 Pg - 10 (May 14)



CW08b: Value Engineering, Statutory/Regulatory Compliance

CIVIL WORKS

CW08b - Value Engineering, Statutory/Regulatory Compliance

PROPOSERS: CECW-CE

VISIBILITY LEVEL: HQUSACE, MSC's and external

FREQUENCY: Quarterly

PROGRAMS/TYPE FUNDS (TF): All USACE Projects/Procurements

PROGRAM YEARS (PYs) MEASURED: FY15

GOAL: To perform required VE Workshops on programs/projects/procurements and portions thereof with total contract costs greater than or equal to \$2 million as required by Pub. L. 111-350 (41 USC 1711) & Pub. L. 99-662, (33 U.S.C. § 2288); OMB Circulars A-131 (A-11 & A-123); DoDI 4245.14, and ER 11-1-321 (Change 1). A VE Study is mandatory for CW contracts ≥\$10M in order for contract to be advertised/executed.

PURPOSE: To validate compliance with statutory/regulatory requirements. Compliance data is a component of USACE VE Annual Performance Report to OMB & OSD (ATL); and other compliance checks/reports per OMB Cir. A-123 (MICP /Assurance Statements). BCOES is compliance check to document PM/VEO certification. KO's shall NOT advertise/award projects without VE statutory/regulatory compliance certification.

DEFINITIONS: See ER 11-1-321(Change 1).

DATA SOURCE(s): P2

RELATIONSHIP of DATA to WHAT is MEASURED: Data shows required formal VE workshops, Low Opportunities and Waivers completed, Goal is projects/contracts ≥\$2M awarded in FY15.

METRIC RATING CALCULATION: VE Activities completed (CW195 + CW290 VE Study Finish Actual +Low Opportunity + Waiver) times 100, divided by Construction Contract Awards (CC800 A).

RATING CRITERIA: QUARTERLY: Green ≥ 95%; Amber 85% to 95%; Red < 85%.
QUARTERLY: Progress towards Quarterly Goal

Chapter 3 Table 2 Pg - 11 (May 14)



Data Backup - NWK

Division	District	Project Number	Project Name	Contract Amount	Arloc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWK	104005	B07KS019802 Forbes NLF ESO DW96958109-000	\$48,806.00	Topeka, Ks					11/13/2014	11/13/2014					VE(A)
NWD	NWK	370896	PENINSULA BOULEVARD	\$0.00						11/6/2014	12/31/2014					VE(A)
NWD	NWK	395637	MRRP Baltimore Bottoms	\$0.00					4/8/2016		8/31/2015		8/11/2015			V
NWD	NWK	403076	KC-46 FLIGHT SIMULATOR FACILITY PH 1	\$2,601,702.93	McConnell Air Force Base		2014		2/2/2015						12/17/2014	W
NWD	NWK	403705	KC-46A ALTER COMPOSITE MAINTENANCE SHOP ACE PRQE155121	\$0.00	McConnell Air Force Base	\$4,500,000.00	2015		6/8/2016		3/27/2015		3/13/2015			VE(P)
NWD	NWK	404982	Chariton River and Rathbun Lake Watershed, IA	\$0.00					4/28/2016		7/10/2015		6/19/2015			V
NWD	NWK	406844	KC-46A DEICING PADS ACE PRQE165114	\$0.00	McConnell Air Force Base	\$4,300,000.00	2016		4/4/2016		3/4/2015		2/19/2015			VE(P)
NWD	NWK	442879	REPAIR DIGESTERS AT WWTP B5034	\$2,735,000.00	Whiteman Air Force Base	\$3,150,000.00	2015		9/29/2015		5/29/2015		5/15/2015			VE(S)
NWD	NWK	444007	WSA: REPAIR VEHICLE ENTRANCE GATE, WSA ECP	\$2,640,000.00	Whiteman Air Force Base		2015		8/14/2015		2/13/2015		2/2/2015			VE(S)
NWD	NWK	445614	DLA Y YARD PAVING	\$2,303,380.00	Fort Riley	\$2,564,000.00	2014		8/28/2015		1/16/2015		1/12/2015		6/9/2014	W
NWD	NWK	446532	BLDG 206 RENOVATIONS	\$4,200,000.00	Fort Riley		2014		9/29/2015		4/24/2015		4/20/2015			VE(S)

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Data Backup - NWO

Division	District	Project Number	Project Name	Contract Amount	Arlc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWO	105301	Cache La Poudre, Greeley, CO	\$0.00							12/11/2014					AWD(B)
NWD	NWO	151523	Ammo Supply Point	\$0.00	Fort Carson		LR				6/22/2015		8/7/2012	9/17/2008		PY
NWD	NWO	152681	High Bay Maint Fac PN 65600	\$0.00	Fort Carson		LR				6/5/2015		8/7/2012	9/15/2008		PY
NWD	NWO	154937	SOF Multi-purpose Canine Kenne	\$0.00	Fort Carson	\$3,046,000.00	2010	4/9/2010	4/10/2010		1/5/2015		8/12/2009	8/12/2009		VE(P)
NWD	NWO	156053	STUDY-BLDG 2 NORAD PAFB	\$0.00	Peterson Air Force Base		2008				6/17/2015		9/8/2008	9/8/2008		AWD(B)
NWD	NWO	320970	SOF 063831 BN Facility	\$0.00	Fort Carson	\$38,000,000.00	2010	8/3/2010	8/4/2010		1/5/2015		12/29/2014			VE(P)
NWD	NWO	331256	PHOENIX	\$0.00	Phoenix, Az		LR				1/30/2015		1/12/2015			PY
NWD	NWO	331259	ATTERBURY	\$0.00	Camp Atterbury		LR				2/12/2015		1/26/2015			PY
NWD	NWO	373143	Develop CCD to Eliminate Phantom Silos	\$0.00			2012	7/3/2013	7/4/2013		12/29/2014		12/29/2014			T
NWD	NWO	400174	CAP 047942 SOF Lang Sustmnt Tmg Fac	\$0.00	Fort Carson		2016		12/29/2014		1/20/2015		12/29/2014			VE(P)
NWD	NWO	400714	SP-POL, FY13 ARMY PROJECT PLANNING STUDIES	\$0.00	Pope Air Force Base		2013				1/30/2015		1/12/2015			AWD(B)
NWD	NWO	400858	SP-POL, FY15 (DESC1463) HYD FUEL SYS, ELLSWORTH AFB, SD	\$7,200,000.00	Ellsworth Air Force Base		2015		5/1/2015		8/25/2015		1/27/2015			VE(S)
NWD	NWO	403847	SP-POL, FY13 ARMY PROJECT PLANNING STUDIES	\$0.00	Pope Air Force Base	\$81,703.00	2013				1/30/2015		1/12/2015			AWD(B)
NWD	NWO	403902	SP-FSRM Minot Design Drainage-Repaving	\$1,050,000.00	Minot Air Force Base	\$30,000.00	2013		1/16/2015	10/3/2014	2/4/2015		2/4/2015	9/1/2014		VE(A)
NWD	NWO	406026	SP-POL, FY14 PPD2, POPE AAF-GREEN RAMP	\$0.00	Pope Air Force Base	\$115,200.00	2014				4/27/2015		4/8/2015			AWD(B)
NWD	NWO	406230	SP-FSRM, REPLACE CHILLED WATER LINES, FT. CARSON, CO	\$0.00	Fort Carson	\$3,000,000.00	2014	9/29/2014	9/29/2014		1/5/2015		1/5/2015			VE(P)
NWD	NWO	406520	SP-FSRM, CONSTRUCT GAS MAIN, FT. CARSON, CO	\$2,300,000.00	Fort Carson	\$2,000,000.00	2014		1/5/2015		1/5/2015		1/5/2015			VE(T)
NWD	NWO	406621	SP-FSRM, RPRS/CONST BLDGS 320, 344, FT CARSON, CO	\$0.00	Fort Carson	\$2,000,000.00	2014		2/4/2015		2/4/2015		2/4/2015			VE(P)
NWD	NWO	406643	SP-POL, FY14 PPS2 - POPE AFB (MIPR SC06001400317)	\$0.00	Pope Air Force Base	\$138,624.00	2014				1/5/2015		1/5/2015			AWD(B)
NWD	NWO	406700	SP-POL, FY14 PPS PROGRAM (SC06001400439)	\$0.00	Not Applicable	\$436,202.00	2014				2/12/2015		1/26/2015			AWD(B)

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Data Backup - NWO

Division	District	Project Number	Project Name	Contract Amount	Arloc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWO	406702	SP-POL, FY14 PPS2 (MIPR SC06001400455), CAMP SHELBY	\$0.00	Camp Shelby	\$32,800.00	2014						1/9/2015			AWD(B)
NWD	NWO	406801	SP-FSRM, REPAIR/RENOVATE BLDG#625, PAFB	\$4,000,000.00	Not Applicable	\$4,000,000.00	2014		1/13/2015		1/27/2015		1/27/2015			VE(T)
NWD	NWO	406802	SP-FSRM, REPAIR/RENOVATE BLDG#650, PAFB	\$1,500,000.00	Not Applicable	\$1,500,000.00	2014		1/13/2015		1/27/2015		1/27/2015			T
NWD	NWO	406909	SP-POL, FY14 PPS PHASE II (MIPR SC06001400571)	\$0.00	Not Applicable	\$186,328.00	2014				1/5/2015		1/5/2015			AWD(B)
NWD	NWO	406910	SP-POL, FY14 PPS PHASE II (MIPR SC06001400572)	\$0.00	Not Applicable	\$379,118.00	2014				1/5/2015		1/5/2015			AWD(B)
NWD	NWO	442962	SP-FSRM, Building 600 chiller plant	\$0.00	Schriever Air Force Base		2014		1/7/2015		1/7/2015		1/7/2015			T
NWD	NWO	443043	ACP Concept Layouts, Fort Belvoir	\$0.00	Fort Belvoir		2014				12/29/2014		12/29/2014			AWD(B)
NWD	NWO	443790	SP-FSRM, Repair/Renovate Dorm 1164, PAFB, CO	\$0.00	Peterson Air Force Base	\$1,900,000.00	2014	9/26/2014	9/29/2014		1/28/2015		4/23/2014	4/14/2014		V
NWD	NWO	444242	SP-FSRM, RPR BLDG 332, FE WARREN AFB	\$5,500,000.00	Warren, Wy	\$1,000,000.00	2014		7/17/2015		2/27/2015		1/5/2015			VE(S)
NWD	NWO	444707	SP-FSRM, Renovate Latrine, Bldg 7438, Ft Carson, Co	\$0.00	Fort Carson	\$150,000.00	2014	9/9/2014	9/22/2014		1/5/2015		1/5/2015			T
NWD	NWO	444709	SP-FSRM, Design Retrofit Bldg 1117, Ft Carson, CO	\$0.00	Fort Carson	\$250,000.00	2014		1/5/2015		1/5/2015		1/5/2015			T
NWD	NWO	444851	Denver County, CO - Feasibility	\$0.00							6/18/2015					AWD(B)
NWD	NWO	445441	SP-FSRM, Replace N Loop Chilled Water Lines, Ft Carson, Co	\$0.00	Fort Carson	\$3,000,000.00	2014	9/29/2014	9/29/2014		1/5/2015		1/5/2015			VE(P)
NWD	NWO	445489	SP-FSRM, Peterson AFB, FY14 Misc Repairs and Minor Const	\$0.00	Peterson Air Force Base	\$55,000.00	2014	9/30/2014	4/1/2015		1/5/2015		1/5/2015			T
NWD	NWO	445583	SP-FSRM, Peterson AFB, FY14 Misc Repairs and Minor Const	\$3,000,000.00	Peterson Air Force Base		2014		1/23/2015		1/5/2015		1/5/2015			VE(T)
NWD	NWO	445876	SP-FSRM, FY14 Misc Rprs and Minor Const, Pueblo Chem Depot	\$0.00	Pueblo Army Depot	\$15,000.00	2014		7/20/2015		4/23/2015		1/28/2015			V
NWD	NWO	445878	SP-FSRM, Design, Inst SFG Sewer Frc Main & Upg, Ft Cardon CO	\$31,000.00	Fort Carson	\$60,000.00	2014		7/20/2015		4/23/2015		1/28/2015			V
NWD	NWO	445884	SP-IIS, VANCA Fort Logan	\$8,125,000.00					6/2/2015		1/16/2015		1/5/2015			VE(S)
NWD	NWO	445894	SP-FSRM, FY14, Construct/Install Glazing, SW Location	\$170,000.00		\$150,000.00	2014		1/5/2015		4/23/2015		1/28/2015			V
NWD	NWO	446056	SP-FSRM, RENOVAE BLDG #330, FT. CARSON, CO	\$0.00	Fort Carson	\$700,000.00	2014	9/30/2014	9/29/2014		2/6/2015		1/13/2015			V

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Data Backup - NWO

Division	District	Project Number	Project Name	Contract Amount	Arloc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWO	446057	SP-FSRM, CONSTRUCT MOORING POINTS, BAA, FT. CARSON, CO	\$0.00	Fort Carson	\$300,000.00	2014	9/20/2013	2/4/2015		3/31/2015		1/5/2015			V
NWD	NWO	446142	SP-FSRM, Rpl Water Tanks (FY13DA4156G001), FE Warren AFB	\$6,925,000.00	Warren, Wy	\$31,000.00	2014		1/5/2015		1/5/2015		1/5/2015			VE(T)
NWD	NWO	446143	SP-FSRM, Pre-DevSFG Bldg MMII (FY13DA4154G001) FE Warren AFB	\$3,000,000.02	Warren, Wy	\$33,700.00	2014		1/5/2015		1/5/2015		1/5/2015			VE(T)
NWD	NWO	446145	SP-FSRM, Bld 2000 Renovation, FtMcCoy	\$105,000.00	FortMcCoy		2014		4/13/2015		9/30/2015		1/15/2015			V
NWD	NWO	446149	SP-FSRM, Constructum lanes on HW 21 for X road	\$500,000.02	FortMcCoy	\$0.00	2014		4/6/2015		1/5/2015		1/5/2015			T
NWD	NWO	446216	SP-FSRM, FY14 Misc Repairs and Minor Const, BuckleyAFB Base	\$749,000.00	BuckleyAir Force Base	\$749,000.00	2014		1/22/2015		1/21/2015		1/5/2015			V
NWD	NWO	446390	SP-FSRM - Bathroom Upgrade, FE Warren (FY13DA4161G001)	\$1,000,000.00	FortMcCoy	\$32,500.00	2014		5/20/2015		4/8/2015		4/8/2015			T
NWD	NWO	446391	SP-FSRM, Repair Water/Sewer Valves, FE Warren, F1Y3DA162G001	\$2,836,000.00	FortMcCoy		2014		5/20/2015		4/8/2015		4/8/2015			VE(T)
NWD	NWO	446606	Consolidated Dorm, Cavalier AFS, ND	\$2,000,000.00	Cavalier Air Station	\$1,900,000.00	2015		4/23/2015		3/30/2015		3/6/2015			VE(S)
NWD	NWO	446660	ACE QJ VF143101 CONSTRUCT ADDITIONS B1134, MISSILE MAINTENANC	\$2,825,000.00	Minot Air Force Base	\$3,000,000.00	2015		7/23/2015		1/8/2015		12/11/2014	12/11/2014		VE(S)
NWD	NWO	446933	SP-FSRM, Pueblo Chem Depot, Post 1 Security Upgrades	\$0.00	Pueblo Army Depot	\$50,000.00	2014	9/18/2014	9/23/2014		1/5/2015		1/5/2015			T
NWD	NWO	447196	SP-POL, ROTARY WING STANDARD DESIGN (MIPR06001402329)	\$0.00	Fort Belvoir	\$300,000.00	2014				3/12/2015		2/23/2015			AWD(B)
NWD	NWO	447292	SP-FSRM, Rpl Fire Alarm Panels, FE WARREN AFB, F1Y3DA4216G00	\$0.00	F E Warren Air Force Base		2014		10/16/2015		4/17/2015		4/3/2015			V
NWD	NWO	447293	SP-FSRM, Rpr/Renovate Bld 333, FE WARREN AFB, F1Y3DA4216G001	\$0.00	F E Warren Air Force Base		2014		10/16/2015		4/17/2015		4/3/2015			V
NWD	NWO	447294	SP-FSRM - Multi-Lane Road, FE WARREN AFB, F1Y3DA4216G002	\$0.00	F E Warren Air Force Base		2014		10/16/2015		4/17/2015		4/3/2015			V
NWD	NWO	447295	SP-FSRM - Stru Inv Bldg 151, FE WARREN AFB, F1Y3DA4	\$0.00	F E Warren Air Force Base		2014		10/16/2015		4/17/2015		4/3/2015			V
NWD	NWO	447350	SP-FSRM, PETERSON AFB RAPID RESPONSE (MIPR #10570956)	\$0.00	Peterson Air Force Base	\$1,000,000.00	2014		10/16/2015		4/17/2015		4/3/2015			V
NWD	NWO	447356	SP-FSRM Design, Delta Hammerhead, MinotAFB, ND	\$0.00	Minot Air Force Base	\$95,000.00	2014		1/5/2015		1/5/2015		1/5/2015			T
NWD	NWO	447357	SP-FSRM Design, Alpha Hammerhead, MinotAFB, ND	\$0.00	Minot Air Force Base	\$250,000.00	2014		1/5/2015		1/5/2015		1/5/2015			T
NWD	NWO	448472	SP-FSRM, DESIGN, REPAIR RUNWAY, PH III, THULE AFB, GREENLAND	\$0.00	Thule Air Force Base	\$210,000.00	2014		1/5/2015		2/6/2015		1/13/2015			V

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Data Backup - NWO & NWP

Division	District	Project Number	Project Name	Contract Amount	Arloc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWO	449348	SP-FSRM, REPL CHILLED WATER LINE, SO OF 1864, FT. CARSON	\$3,000,000.00	Fort Carson	\$3,000,000.00	2015		7/28/2015		5/29/2015		5/12/2015			VE(S)
NWD	NWO	449349	SP-FSRM, REPL CHILLED WATER LINE, ELLIS-WETZEL, FT. CARSON	\$3,000,000.00	Fort Carson	\$3,000,000.00	2015		7/28/2015		5/29/2015		5/12/2015			VE(S)
NWD	NWO	449507	SP-FSRM Ft Carson Iron Horse Park - West Side	\$902,000.00	Fort Carson		2015		1/5/2015		1/16/2015		1/5/2015			V
NWD	NWO	449821	FY15 Medical NICoE Sat, Infrastructure Support, Ft Carson	\$17,000.00	Fort Carson	\$1,950,000.00	2014		1/2/2015		1/2/2015		1/2/2015			T

Division	District	Project Number	Project Name	Contract Amount	Arloc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWP	117471	GI-LWR COL ECOSYS	\$0.00							5/26/2015					AWD(B)
NWD	NWP	403198	CG - MCR JETTY AREHAB	\$0.00					9/23/2015		2/6/2015		1/6/2015			V
NWD	NWP	406242	O&M TD NL CONTROLS UPGRADE	\$0.00					2/2/2016	11/6/2014	12/1/2014		8/1/2014	8/11/2014		VE(A)
NWD	NWP	406243	O&M TD NL UPSTREAMGATE REPLACEMENT	\$0.00					2/2/2016	11/14/2014	7/17/2015		7/6/2015	8/11/2014		VE(A)
NWD	NWP	443608	O&M & BPA-75496 HCR SPILLWAY GATE REPL	\$3,922,949.00					8/14/2015		6/9/2015		5/12/2015			VE(S)
NWD	NWP	448510	O&M & BPA-75516 DET SPWY GATE REHAB	\$0.00					1/15/2016		8/7/2015		6/26/2015			V
NWD	NWP	448978	OM & BPA-75517 CGR SPWY GATE REHAB	\$0.00					9/30/2016		8/11/2015		8/5/2015			V

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Data Backup - NWS & NWW

Division	District	Project Number	Project Name	Contract Amount	Arloc	Program Amt	Program Year	CC800 Actual	CC800 Sched	VE End Actual	VE End Sched	VE Low Opportunit	VE Start Sched	VE Start Actual	Waiver Date	ERROR
NWD	NWS	146137	DUW GR Porter Levee Setback	\$0.00					9/30/2015		1/13/2015		1/5/2015			V
NWD	NWS	151190	CAP 066206 Infrastructure, Ph	\$0.00	Joint Base Lewis-McChord	\$64,000,000.00	2012		12/16/2015	10/6/2014	12/1/2014		11/24/2014	10/6/2014		VE(A)
NWD	NWS	394458	FLW CE0112 - EVALUATE FACILITY BLDGS 1450, 1448	\$0.00	Joint Base Lewis-McChord	\$136,000.00	2012		5/5/2015		1/5/2015		5/5/2015			V
NWD	NWS	398227	LD GS 13GS-75433 Electrical Distribution Equipment	\$5,600,000.00							1/13/2015		1/5/2015			VE(S)
NWD	NWS	444971	FLW CE0234 RPR MCCHORD YOUTH CTR/CDC'S	\$0.00	Joint Base Lewis-McChord		2015		9/30/2016		1/20/2015		12/3/2014	12/18/2014		V
NWD	NWS	446050	Repair MAF Water Tanks	\$0.00	Malmstrom AFB, MT		2014	9/30/2014	10/1/2014		1/16/2015		1/5/2015			V
NWD	NWS	449317	FLW CE0262/CD0265 RPR STM MAMC	\$0.00	Joint Base Lewis-McChord	\$450,000.00	2015		9/30/2016		1/9/2015		1/7/2015			V
NWD	NWS	449331	FLW CE0260/CE0269 RPR HVAC B9570	\$1.00	Joint Base Lewis-McChord	\$120,000.00	2015		9/30/2016		1/9/2015		1/7/2015			V
NWD	NWS	449366	YTC CE0301(AE DSN) ROOF TRUSS INSPECTION	\$0.00	Joint Base Lewis-McChord		2015		12/4/2015		1/16/2015		1/14/2015			V
NWD	NWS	449443	FLW CE0306 REPAIR TRANS AND FIRE SUPP SYS BLDG 852	\$0.00	Joint Base Lewis-McChord		2015		1/4/2016		1/16/2015		1/14/2015			V
NWD	NWS	449502	Consolidated Comm Facility Fairchild AFB	\$0.00	Fairchild AFB, WA	\$1,700,000.00	2015		10/30/2015		1/16/2015		1/5/2015			V
NWD	NWS	449524	YTC CE0274 REPLACE ELEC LINE AND CUTOUT TRANSFORMERS	\$0.00	Joint Base Lewis-McChord		2015		1/4/2016		1/16/2015		1/14/2015			V
NWD	NWS	449611	YTC CE0302 REPAIR BLDG LATERAL WATER SERVICE LINES	\$0.00	Joint Base Lewis-McChord		2015		1/4/2016		1/16/2015		1/14/2015			V
NWD	NWS	449997	FLW CE0310 Rpr Heating Tank, Cnst Concrete Slab ARMAG Vault	\$0.00	Joint Base Lewis-McChord		2015		9/30/2015		1/16/2015		1/14/2015			V

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NWD	NWW	405461	CRFM - MNA Spillway Weir Boat Barrier	\$0.00							7/27/2015		7/14/2015			AWD(B)
NWD	NWW	405730	OMNR LGAD/S Miter Gate Repair	\$0.00					2/22/2016		4/14/2015		12/19/2014			V
NWD	NWW	444332	OMNR HLD D/S Gate Machinery Replacement	\$0.00					12/15/2015	12/15/2014	12/15/2014		12/1/2014	12/1/2014		VE(A)
NWD	NWW	444332	OMNR HLD D/S Gate Machinery Replacement	\$0.00						12/15/2014	12/15/2014		12/1/2014	12/1/2014		VE(A)
NWD	NWW	445669	15GS-XXXX LGAD NEW 125VDC System Upgrade	\$0.00					4/11/2016		7/24/2015		7/17/2015			V

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FAQs - Cost Avoidance/Savings Dashboard

- Why does my cost avoidance/savings VERS data entry not appear in VE Dashboard CACS?
 - ▶ P2#s must be in P2 – not just an entry in VERS. P2#s are always six numeric digits. P2#s just for VERS entry but not in P2 examples (00000, 11111, Letters).
 - ▶ VERS entry MUST include a VE Study #. VE Study Number is now identified as Required in VERS. Dashboards require study #s to insure studies are matched with specific contracts. VERS entries without study #s will not appear in dashboards.
 - ▶ Dashboards will display VERS entries in the district that owns the P2#. Dashboards do not care who submitted the entry in VERS.
 - ▶ Entries' fund type (CW or MP) will be determined by P2 (Program) not VEO entry.
 - ▶ Dashboards use the VERS report dates for CA/CS. If CA/CS date is in Q4, it will not appear in Q1, Q2 or Q3.
- How frequent are uploads from VERS to Dashboards?
 - ▶ Data date from VERS to Dashboards has a two day lag.
 - ▶ Day 1: data is transferred from VERS to a location that HQ can access (nightly).
 - ▶ Day 2: data is transferred from HQ to EDW Local Data Portal

